

**Unshielded**

## Audio, Control and Instrumentation Cables

## Plenum-Rated and Non-Plenum

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Conductors Cabled****PVC Insulation • Chrome PVC Jacket**

150V 80°C UL AWM Style 2576	NEC: CMG CEC: CMG FT4						0.76 mm 22 AWG (7x30) TC	0.060	1.52	Unshielded			
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<b>8442</b>	2 CDR*	100	31	2.4	1.1	0.170	4.32	Black, Red
		U-500	U-152	8.2	3.7			
		500	152	7.5	3.4			
		U-1000	U-305	15.0	6.8			
		1000	305	15.0	6.8			
		† 10000	3048	150.4	68.2			

For Plenum version of 8442, see 88442 or 82442.

<b>8443</b>	3 CDR	100	31	2.6	1.2	0.172	4.37	Black, Red, Green
		U-500	U-152	9.5	4.3			
		500	152	9.5	4.3			
		U-1000	U-305	18.1	8.2			
		1000	305	18.1	8.2			

<b>8444</b>	4 CDR	100	31	3.1	1.4	0.185	4.70	see chart 1 (Tech Info Section)
		U-500	U-152	11.5	5.2			
		500	152	11.5	5.2			
		U-1000	U-305	22.0	10.0			
		1000	305	23.1	10.5			

For Plenum version of 8444, see 88444 or 82444.

<b>8445</b>	5 CDR	100	31	3.5	1.6	0.194	4.93	see chart 1 (Tech Info Section)
		U-500	U-152	13.4	6.1			
		500	152	13.4	6.1			
		U-1000	U-305	25.1	11.4			
		1000	305	26.0	11.8			

<b>9430</b>	7 CDR	U-500	U-152	17.0	7.7	0.214	5.44	see chart 1 (Tech Info Section)
		500	152	17.0	7.7			
		U-1000	U-305	32.0	14.5			
		1000	305	35.1	15.9			

<b>9421</b>	8 CDR	100	31	4.2	1.9	0.229	5.82	see chart 1 (Tech Info Section)
		U-500	U-152	19.2	8.7			
		500	152	18.5	8.4			
		U-1000	U-305	35.9	16.3			
		1000	305	37.9	17.2			

<b>9423</b>	9 CDR	100	31	4.6	2.1	0.244	6.20	see chart 1 (Tech Info Section)
		U-500	U-152	21.2	9.6			
		500	152	21.6	9.8			
		U-1000	U-305	41.0	18.6			
		1000	305	43.0	19.5			

<b>8456</b>	10 CDR	100	31	5.1	2.3	0.264	6.71	see chart 1 (Tech Info Section)
		U-500	U-152	22.5	10.2			
		500	152	23.1	10.5			
		U-1000	U-305	44.1	20.0			
		1000	305	46.1	20.9			

**18 AWG • Stranded (19x30) 1.2 mm Tinned Copper • Conductors Cabled****Plenum • FEP Insulation • Natural Flamarrest® Jacket**

Non-conduit	<b>82489</b>	NEC:	† U-1000	U-305	31.1	14.1	1.24 mm	0.063	1.60	Unshielded	0.170	4.32	Black, White, Red, Green	
		CMP	† 1000	305	29.1	13.2	18 AWG							
		CEC:												
		CMP FT6					(19x30) TC							



4-Conductor

TC = Tinned Copper • DCR = DC resistance

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel® from length shown.

\* Twisted Pair

## Unshielded Duplex Primary Wire

De- scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**Duplex Primary Wire** Stranded Bare Copper • Conductors Parallel

**PVC Insulation • Chrome PVC Jacket**

300V RMS 75°C  
VW-1

Unshielded

Brown, Red



<b>8677</b>	2 CDR	500	152	18.5	8.4	1.47 mm 16 AWG (19x29) BC	0.106	2.69	0.149 x 0.254	3.78 x 6.45
<b>8675</b>	2 CDR	500	152	23.6	10.7	1.85 mm 14 AWG (19x27) BC	0.119	3.01	0.168 x 0.290	4.27 x 7.37
<b>8673</b>	2 CDR	500	152	32.6	14.8	2.36 mm 12 AWG (19x25) BC	0.145	3.68	0.186 x 0.328	4.72 x 8.33
<b>8678</b>	2 CDR	500	152	50.9	23.1	2.9 mm 10 AWG (19x23) BC	0.176	4.48	0.225 x 0.400	5.72 x 10.16

BC = Bare Copper • DCR = DC resistance

## Overall Beldfoil® Shield

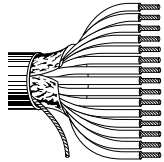
### Computer Cables for EIA RS-232 Applications

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	

**24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Conductors Cabled • Overall Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire**

**Semi-Rigid PVC Insulation • Chrome PVC Jacket**

300V 80°C UL AWM Style 2464	NEC: CMG CEC: CMG FT4		0.61 mm 24 AWG (7x32) TC	0.044	1.11	Overall Beldfoil® + Drain Wire (24 AWG TC)	-									see chart 1 (Tech Info Section)
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<b>9533</b>	3 CDR	100	31	2.6	1.2				0.162	4.11		CDR/CDR	33	108
		U-500	U-152	9.5	4.3							CDR/SCR	65	213
		500	152	9.0	4.1									
		U-1000	U-305	18.1	8.2									
		1000	305	18.1	8.2									
<b>9534</b>	4 CDR	100	31	3.1	1.4				0.184	4.67		CDR/CDR	33	108
		U-500	U-152	11.0	5.0							CDR/SCR	65	213
		500	152	11.5	5.2									
		U-1000	U-305	20.9	9.5									
		1000	305	22.0	10.0									
<b>9535</b>	5 CDR	100	31	3.3	1.5				0.189	4.80		CDR/CDR	33	108
		U-500	U-152	11.9	5.4							CDR/SCR	65	213
		500	152	11.0	5.0									
		U-1000	U-305	22.9	10.4									
		1000	305	22.0	10.0									
<b>9536</b>	6 CDR	100	31	3.5	1.6				0.209	5.31		CDR/CDR	33	108
		U-500	U-152	14.6	6.6							CDR/SCR	65	213
		500	152	12.6	5.7									
		U-1000	U-305	27.1	12.3									
		1000	305	29.1	13.2									
<b>9537</b>	7 CDR	100	31	3.7	1.7				0.209	5.31		CDR/CDR	33	108
		U-500	U-152	15.0	6.8							CDR/SCR	65	213
		500	152	13.7	6.2									
		U-1000	U-305	29.1	13.2									
		1000	305	30.2	13.7									
<b>9538</b>	8 CDR	100	31	3.7	1.7				0.224	5.69		CDR/CDR	33	108
		U-500	U-152	17.0	7.7							CDR/SCR	65	213
		500	152	15.0	6.8									
		U-1000	U-305	32.2	14.6									
		1000	305	34.0	15.4									
<b>9539</b>	9 CDR	100	31	4.2	1.9				0.244	6.20		CDR/CDR	30	98
		U-500	U-152	20.1	9.1							CDR/SCR	55	180
		500	152	17.2	7.8									
		U-1000	U-305	37.3	16.9									
		1000	305	38.1	17.3									
<b>9540</b>	10 CDR	100	31	4.4	2.0				0.244	6.20		CDR/CDR	30	98
		U-500	U-152	19.6	8.9							CDR/SCR	55	180
		500	152	18.1	8.2									
		U-1000	U-305	37.9	17.2									
		1000	305	36.2	16.4									

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

### Overall Beldfoil® Shield

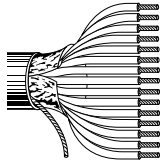
#### Computer Cables for EIA RS-232 Applications

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	

**24 AWG • Stranded (7x32) 0.6 mm TC • Conductors Cabled • Overall Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire (continued)**

**Semi-Rigid PVC Insulation • Chrome PVC Jacket**

300V 80°C UL AWM Style 2464	NEC: CMG CEC: CMG FT4						0.61 mm 24 AWG (7x32) TC	0.044	1.11	Overall Beldfoil® + Drain Wire (24 AWG TC)			-			see chart 2R (Tech Info Section)
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<b>9541</b>	15 CDR	100	31	6.0	2.7						0.284	7.21	CDR/CDR	30	98		
		U-500	U-152	27.6	12.5									CDR/SCR	55		180
		500	152	28.0	12.7												
		U-1000	U-305	54.0	24.5												
		1000	305	56.0	25.4												
<b>9542</b>	20 CDR	100	31	7.3	3.3						0.314	7.98	CDR/CDR	30	98		
		U-500	U-152	34.0	15.4									CDR/SCR	55		180
		500	152	35.5	16.1												
		1000	305	69.0	31.3												
<b>9543</b>	25 CDR	100	31	8.8	4.0						0.339	8.61	CDR/CDR	30	98		
		500	152	44.1	20.0									CDR/SCR	55		180
		1000	305	86.0	39.0												
<b>9544</b>	30 CDR	100	31	10.4	4.7						0.380	9.65	CDR/CDR	30	98		
		500	152	51.6	23.4									CDR/SCR	55		180
		1000	305	102.1	46.3												
<b>9545</b>	40 CDR	100	31	13.4	6.1						0.430	10.92	CDR/CDR	30	98		
		500	152	65.0	29.5									CDR/SCR	55		180
		1000	305	130.1	59.0												
<b>9546</b>	50 CDR	100	31	16.3	7.4						0.490	12.45	CDR/CDR	30	98		
		500	152	81.6	37.0									CDR/SCR	55		180
		1000	305	168.2	76.3												

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

## Overall Beldfoil® Shield

### Audio, Control and Instrumentation Cables

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	

**20 AWG** • Stranded (7x28) 1.0 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire

**Polyethylene Insulation • Chrome PVC Jacket**

300V 60°C	<b>8772</b>	NEC:	U-500	U-152	16.1	7.3	0.96 mm	0.070	1.78	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.218	5.54	-	CDR/CDR	27	89	Black, Red, Clear
UL AWM Style	2093	CMG	500	152	16.1	7.3	20 AWG							CDR/SCR	51	167	
		CEC:	U-1000	U-305	31.1	14.1	(7x28) TC										
		CM	1000	305	32.0	14.5											



Z-Fold®

3 CDR

**18 AWG** • Stranded (16x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire

**Polyethylene Insulation • Chrome PVC Jacket**

300V 60°C	<b>8770</b>	NEC:	U-500	U-152	20.1	9.1	1.20 mm	0.083	2.12	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.246	6.25	-	CDR/CDR	24	79	Black, Red, Clear
UL AWM Style	2093	CMG	500	152	20.5	9.3	18 AWG							CDR/SCR	48	157	
		CEC:	U-1000	U-305	37.9	17.2	(16x30) TC										
		CM	1000	305	40.1	18.2											
			†† 10000	3048	431.0	195.5											



Shorting Fold

3 CDR

For Plenum version of 8770, see 88770.

**18 AWG** • Stranded (19x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire

**Semi-Rigid PVC Insulation • Chrome PVC Jacket**

300V 80°C	<b>9418</b>	NEC:	100	31	5.7	2.6	1.24 mm	0.069	1.74	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.245	6.22	-	CDR/CDR	70	230	Red, Green, Black, White
UL AWM Style	2464	CMG	U-500	U-152	18.1	8.2	18 AWG							CDR/SCR	120	394	
		CEC:	500	152	24.5	11.1	(19x30) TC										
		CMG FT4	U-1000	U-305	35.3	16.0											
			1000	305	52.2	23.7											
			†† 10000	3048	509.9	231.3											



Z-Fold®

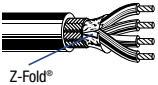
4 CDR

For Plenum versions of 9418, see 89418 or 82418.

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors  
 †† Final put-up may vary -10% to +20%. May contain 2 pieces. Min. length 460 m.

### Overall Foil/Braid Shield

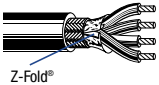
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De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	
<b>24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Overall Beldfoil® Shield + 65% Tinned Copper Braid</b> <b>Semi-Rigid PVC Insulation • Chrome PVC Jacket</b>																
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4		0.61 mm 24 AWG (7x32) TC		0.044 1.12		Overall Beldfoil® + Overall 65% TC Braid		-						
																
<b>9608</b>	3 CDR		100 500 1000	31 152 305	3.1 11.9 22.9	1.4 5.4 10.4					0.190	4.83	CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
<b>9609</b>	4 CDR		100 500 1000	31 152 305	3.5 13.4 26.0	1.6 6.1 11.8					0.200	5.08	CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
<b>9610</b>	5 CDR		100 500 1000	31 152 305	4.0 16.1 32.0	1.8 7.3 14.5					0.215	5.46	CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
<b>9611</b>	6 CDR		100 500 1000	31 152 305	4.2 17.0 34.0	1.9 7.7 15.4					0.225	5.72	CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
<b>9612</b>	7 CDR		100 500 1000	31 152 305	4.2 18.5 38.1	1.9 8.4 17.3					0.225	5.72	CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
<b>9613</b>	8 CDR		100 500 1000	31 152 305	4.4 20.9 41.0	2.0 9.5 18.6					0.240	6.10	CDR/CDR CDR/SCR	30 55	88 180	see chart 1 (Tech Info Section)
<b>9614</b>	9 CDR		100 500 1000	31 152 305	4.9 22.0 44.1	2.2 10.0 20.0					0.253	6.43	CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
<b>9615</b>	10 CDR		100 500 1000	31 152 305	5.5 25.1 50.0	2.5 11.4 22.7					0.270	6.86	CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
<b>9616</b>	15 CDR		100 500 1000	31 152 305	6.6 31.5 63.1	3.0 14.3 28.6					0.300	7.62	CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
<b>9617</b>	25 CDR		100 500 1000	31 152 305	10.1 49.6 100.1	4.6 22.5 45.4					0.370	9.40	CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
<b>9618</b>	37 CDR		100 500 1000	31 152 305	13.2 66.6 135.1	6.0 30.2 61.3					0.411	10.43	CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
<b>9619</b>	50 CDR		100 500 1000	31 152 305	17.2 93.0 182.1	7.8 42.2 82.6					0.485	12.32	CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)

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### Overall Foil/Braid Shield

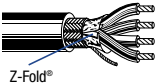
### Computer Cables for EIA RS-232 Applications

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	
<b>22 AWG • Stranded Conductors (7x30) 0.8 mm Tinned Copper • Overall Beldfoil® Shield + 65% Tinned Copper Braid</b>																
<b>Semi-Rigid PVC Insulation • Chrome PVC Jacket</b>																
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.76 mm 22 AWG (7x30) TC	0.051	1.30	Overall Beldfoil® + Overall 65% TC Braid			-			
																
<b>9939</b>	3 CDR		100 500 1000	31 152 305	3.5 12.1 24.0	1.6 5.5 10.9					0.202	5.13	CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
<b>9940</b>	4 CDR		100 500 1000	31 152 305	4.0 14.6 32.0	1.8 6.6 14.5					0.215	5.46	CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
<b>9941</b>	5 CDR		100 500 1000	31 152 305	4.0 16.1 38.1	1.8 7.3 17.3					0.230	5.84	CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
<b>9942</b>	6 CDR		100 500 1000	31 152 305	4.6 22.0 43.0	2.1 10.0 19.5					0.245	6.22	CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
<b>9943</b>	7 CDR		100 500 1000	31 152 305	5.1 23.8 46.1	2.3 10.8 20.9					0.245	6.22	CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
<b>9944</b>	8 CDR		100 500 1000	31 152 305	5.5 26.0 52.0	2.5 11.8 23.6					0.260	6.60	CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
<b>9945</b>	9 CDR		100 500 1000	31 152 305	6.2 28.4 57.1	2.8 12.9 25.9					0.280	7.11	CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
<b>9946</b>	10 CDR		100 500 1000	31 152 305	6.6 31.5 61.9	3.0 14.3 28.1					0.300	7.62	CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
<b>9947</b>	15 CDR		100 500 1000	31 152 305	8.8 42.5 83.1	4.0 19.3 37.7					0.340	8.64	CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
<b>9948</b>	25 CDR		100 500 1000	31 152 305	13.3 66.6 132.1	6.0 30.2 59.9					0.410	10.41	CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
<b>9949</b>	37 CDR		100 500 1000	31 152 305	16.1 87.5 180.1	7.3 39.7 81.7					0.460	11.68	CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
<b>9950</b>	50 CDR		100 500 1000	31 152 305	25.1 118.2 238.3	11.4 53.6 108.1					0.555	14.10	CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

**Overall Foil/Braid Shield**

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code	
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m		
<b>24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Overall Beldfoil® Shield + 65% Tinned Copper Braid • 24 AWG TC Drain Wire</b>																	
<b>Datalene® Insulation • Chrome PVC Jacket</b>																	
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.053	1.35	Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			78%				
																	
	<b>9925</b>	3 CDR	100 500 1000	31 152 305	3.5 12.1 24.0	1.6 5.5 10.9					0.215	5.46		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9927</b>	4 CDR	100 500 1000	31 152 305	3.5 14.6 32.0	1.6 6.6 14.5					0.230	5.84		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9929</b>	5 CDR	100 500 1000	31 152 305	4.0 16.1 35.9	1.8 7.3 16.3					0.246	6.25		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9931</b>	6 CDR	100 500 1000 10000	31 152 305 3048	4.2 17.6 39.0 410.3	1.9 8.0 17.7 186.1					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9932</b>	7 CDR	100 500 1000	31 152 305	4.4 18.5 41.0	2.0 8.4 18.6					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9633</b>	8 CDR	100 500 1000 10000	31 152 305 3048	4.9 21.2 46.1 480.4	2.2 9.6 20.9 217.9					0.280	7.11		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9934</b>	9 CDR	100 500 1000	31 152 305	5.3 22.0 48.1	2.4 10.0 21.8					0.300	7.62		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9935</b>	10 CDR	100 500 1000	31 152 305	5.7 28.0 53.1	2.6 12.7 24.1					0.306	7.77		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
	<b>9636</b>	15 CDR	100 500 1000	31 152 305	7.3 35.1 68.1	3.3 15.9 30.9					0.350	8.89		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
	<b>9937</b>	25 CDR	100 500 1000	31 152 305	9.9 54.7 108.0	4.5 24.8 49.0					0.445	11.30		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
	<b>9938</b>	37 CDR	100 500 1000	31 152 305	13.0 71.6 139.1	5.9 32.5 63.1					0.500	12.70		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors



### Overall Foil/Braid Shield

#### Audio, Control and Instrumentation Cables

De-scription	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	

**24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Conductors Cabled • Overall Beldfoil® Shield + 85% Tinned Copper Braid**

**Plenum • FEP Insulation • Red FEP Jacket**

300V RMS Non-conduit	NEC: CMP CEC: CMP FT6					0.61 mm 24 AWG (7x32) TC	0.036	0.91	Overall Beldfoil® + Overall 85% TC Braid	-						see chart 2 (Tech Info Section)
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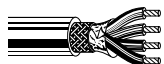


<b>83503</b>	3 CDR	† 500	152	9.5	4.3					0.135	3.43	CDR/CDR	20	66	
		† 1000	305	16.1	7.3							CDR/SCR	36	118	
<b>83504</b>	4 CDR	100	31	3.5	1.6					0.144	3.66	CDR/CDR	20	66	
		† 500	152	10.1	4.6							CDR/SCR	36	118	
		† 1000	305	20.1	9.1										
<b>83506</b>	6 CDR	† 500	152	13.2	6.0					0.165	4.19	CDR/CDR	20	66	
		† 1000	305	26.2	11.9							CDR/SCR	36	118	

**22 AWG • Stranded Conductors (7x30) 0.8 mm Tinned Copper • Conductors Cabled • Overall Beldfoil® Shield + 85% Tinned Copper Braid**

**Plenum • FEP Insulation • Red FEP Jacket**

300V RMS Non-conduit	NEC: CMP CEC: CMP FT6					0.76 mm 22 AWG (7x30) TC	0.042	1.06	Overall Beldfoil® + Overall 85% TC Braid	-						see chart 2 (Tech Info Section)
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<b>83552</b>	2 CDR	† 500	152	8.2	3.7					0.141	3.58	CDR/CDR	23	75	
		† 1000	305	16.1	7.3							CDR/SCR	40	131	
<b>83553</b>	3 CDR	100	31	3.5	1.6					0.148	3.76	CDR/CDR	23	75	
		† 500	152	11.5	5.2							CDR/SCR	40	131	
		† 1000	305	20.1	9.1										
<b>83554</b>	4 CDR	100	31	4.0	1.8					0.159	4.04	CDR/CDR	23	75	
		† 500	152	12.6	5.7							CDR/SCR	40	131	
		† 1000	305	25.1	11.4										
<b>83556</b>	6 CDR	100	31	5.3	2.4					0.183	4.65	CDR/CDR	23	75	
		† 500	152	16.5	7.5							CDR/SCR	40	131	
		† 1000	305	35.9	16.3										
<b>83559</b>	9 CDR	100	31	6.8	3.1					0.209	5.31	CDR/CDR	23	75	
		† 500	152	23.1	10.5							CDR/SCR	40	131	
		† 1000	305	50.0	22.7										
<b>83562</b>	12 CDR	† 500	152	28.7	13.0					0.234	5.94	CDR/CDR	23	75	
		† 1000	305	60.0	27.2							CDR/SCR	40	131	
<b>83569</b>	19 CDR	100	31	9.7	4.4					0.269	6.83	CDR/CDR	23	75	
		† 500	152	44.1	20.0							CDR/SCR	40	131	
		† 1000	305	85.1	38.6										

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors  
† Spools are one piece, but length may vary ± 10% from length shown.

### Fire Alarm

#### Power-Limited Fire Protective Signaling Circuit Cables

Subject 1424 (NEC Article 760, Type FPLR)

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**18 AWG • Solid 1.0 mm Bare Copper • Conductors Cabled**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424	<b>9571</b>	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500	U-152	14.6	6.6	1.02 mm	0.074	1.88	Unshielded	0.228	5.79	Black, Red
			U-1000	U-305	28.0	12.7	18 AWG Solid BC						

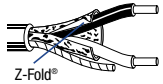


2 CDR

**18 AWG • Solid 1.0 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 22 AWG Tinned Copper Drain Wire**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.02 mm	0.074	1.88	Overall Beldfoil® + Drain Wire (22 AWG TC)			
							18 AWG Solid BC						



Z-Fold®

<b>9574</b>	2 CDR	U-500	U-152	16.1	7.3						0.231	5.87	Black, Red
		U-1000	U-305	31.1	14.1								
<b>9578</b>	4 CDR	U-500	U-152	25.6	11.6						0.263	6.68	Black, Red, Yellow, Light Blue
		1000	305	51.1	23.2								

**16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424	<b>9572</b>	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500	U-152	18.1	8.2	1.29 mm	0.087	2.21	Unshielded	0.250	6.35	Black, Red
			U-1000	U-305	35.1	15.9	16 AWG Solid BC						

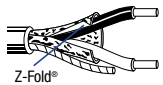


2 CDR

**16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 22 AWG Tinned Copper Drain Wire**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.29 mm	0.087	2.21	Overall Beldfoil® + Drain Wire (22 AWG TC)			
							16 AWG Solid BC						



Z-Fold®

<b>9575</b>	2 CDR	U-500	U-152	20.1	9.1						0.253	6.43	Black, Red
		U-1000	U-305	39.0	17.7								
<b>9579</b>	4 CDR	U-500	U-152	35.5	16.1						0.301	7.65	Black, Red, Yellow, Light Blue
		1000	305	72.1	32.7								

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

**Fire Alarm**

## Power-Limited Fire Protective Signaling Circuit Cables

Subject 1424 (NEC Article 760, Type FPLR)

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled****PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9580</b>	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	27.1 54.0	12.3 24.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Unshielded	0.306	7.77	Black, Red
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2 CDR

**14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 16 AWG Tinned Copper Drain Wire****PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9581</b>	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	32.4 65.0	14.7 29.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.306	7.77	Black, Red
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2 CDR

**12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled****PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9582</b>	NEC: FPLR CEC: FAS 105 FT4	1000	305	75.2	34.1	2.05 mm 12 AWG Solid BC	0.125	3.17	Unshielded	0.340	8.64	Black, Red
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2 CDR

**12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 16 AWG Tinned Copper Drain Wire****PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9583</b>	NEC: FPLR CEC: FAS 105 FT4	1000	305	85.1	38.6	2.05 mm 12 AWG Solid BC	0.125	3.17	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.343	8.71	Black, Red
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2 CDR

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

**TPE**

## Multicore Cables

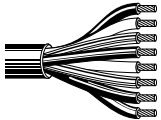
300V, 150°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**150°C • 18 - 16 AWG • Stranded Tinned Copper****TPE Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Black TPE Jacket**

Unshielded

- Traffic and automotive
- Installations in buildings
- Instrumentation engineering
- Robotics
- Tool and mechanical engineering



Also available on request with Bare Copper conductor for 135°C.

<b>HMC0001</b>	2	1640	500	32.0	14.5	(24x0.20) TC	18	0.75	0.165	4.20
<b>HMC0002</b>	3	1640	500	39.7	18.0	(24x0.20) TC	18	0.75	0.177	4.50
<b>HMC0003</b>	4	1640	500	51.8	23.5	(24x0.20) TC	18	0.75	0.201	5.10
<b>HMC0004</b>	5	1640	500	65.0	29.5	(24x0.20) TC	18	0.75	0.220	5.60
<b>HMC0005</b>	7	1640	500	82.7	37.5	(24x0.20) TC	18	0.75	0.240	6.10
<b>HMC0006</b>	2	1640	500	40.8	18.5	(32x0.20) TC	17	1.00	0.189	4.80
<b>HMC0007</b>	3	1640	500	51.8	23.5	(32x0.20) TC	17	1.00	0.201	5.10
<b>HMC0008</b>	4	1640	500	63.9	29.0	(32x0.20) TC	17	1.00	0.217	5.50
<b>HMC0009</b>	5	1640	500	77.2	35.0	(32x0.20) TC	17	1.00	0.240	6.10
<b>HMC0010</b>	7	1640	500	105.8	48.0	(32x0.20) TC	17	1.00	0.268	6.80
<b>HMC0011</b>	2	1640	500	52.9	24.0	(30x0.25) TC	16	1.50	0.209	5.30
<b>HMC0012</b>	3	1640	500	68.3	31.0	(30x0.25) TC	16	1.50	0.220	5.60
<b>HMC0013</b>	4	1640	500	86.0	39.0	(30x0.25) TC	16	1.50	0.244	6.20
<b>HMC0014</b>	5	1640	500	110.2	50.0	(30x0.25) TC	16	1.50	0.276	7.00
<b>HMC0015</b>	7	1640	500	142.2	64.5	(30x0.25) TC	16	1.50	0.299	7.60

TC = Tinned Copper • DCR = DC resistance

**TPE**

## Multicore Cables

300V, 150°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**150°C • 26 - 20 AWG • Stranded Tinned Copper • Separator Foil • Overall Tinned Copper Braid****TPE Insulation (Color Code: see chart 11, Tech Info Section) • Overall Black TPE Jacket**Overall  
TC Braid

- Traffic and automotive
- Installations in buildings
- Instrumentation engineering
- Robotics
- Tool and mechanical engineering

Also available on request with Bare Copper conductor for 135°C.

HMC0016	2	1640	500	19.3	8.8	(19x0.107) TC	26	0.14	0.138	3.50
HMC0017	3	1640	500	23.5	10.7	(19x0.107) TC	26	0.14	0.146	3.70
HMC0018	4	1640	500	27.0	12.3	(19x0.107) TC	26	0.14	0.157	4.00
HMC0019	5	1640	500	36.6	16.6	(19x0.107) TC	26	0.14	0.169	4.30
HMC0020	6	1640	500	40.8	18.5	(19x0.107) TC	26	0.14	0.189	4.80
HMC0021	7	1640	500	50.7	23.0	(19x0.107) TC	26	0.14	0.189	4.80
HMC0022	2	1640	500	23.1	10.5	(19x0.127) TC	24	0.25	0.150	3.80
HMC0023	3	1640	500	27.6	12.5	(19x0.127) TC	24	0.25	0.157	4.00
HMC0024	4	1640	500	33.1	15.0	(19x0.127) TC	24	0.25	0.169	4.30
HMC0025	5	1640	500	45.2	20.5	(19x0.127) TC	24	0.25	0.193	4.90
HMC0026	6	1640	500	48.5	22.0	(19x0.127) TC	24	0.25	0.205	5.20
HMC0027	7	1640	500	51.8	23.5	(19x0.127) TC	24	0.25	0.205	5.20
HMC0028	2	1640	500	28.7	13.0	(19x0.160) TC	22	0.34	0.161	4.10
HMC0029	3	1640	500	34.2	15.5	(19x0.160) TC	22	0.34	0.169	4.30
HMC0030	4	1640	500	41.9	19.0	(19x0.160) TC	22	0.34	0.189	4.80
HMC0031	5	1640	500	56.2	25.5	(19x0.160) TC	22	0.34	0.209	5.30
HMC0032	6	1640	500	63.9	29.0	(19x0.160) TC	22	0.34	0.220	5.60
HMC0033	7	1640	500	66.1	30.0	(19x0.160) TC	22	0.34	0.220	5.60
HMC0034	2	1640	500	37.5	17.0	(19x0.203) TC	20	0.50	0.177	4.50
HMC0035	3	1640	500	48.5	22.0	(19x0.203) TC	20	0.50	0.193	4.90
HMC0036	4	1640	500	59.5	27.0	(19x0.203) TC	20	0.50	0.209	5.30
HMC0037	5	1640	500	73.9	33.5	(19x0.203) TC	20	0.50	0.228	5.80
HMC0038	6	1640	500	88.2	40.0	(19x0.203) TC	20	0.50	0.248	6.30
HMC0039	7	1640	500	93.7	42.5	(19x0.203) TC	20	0.50	0.248	6.30

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber**

## Multicore Cables

300/500V, 180°C, peak temp 250°C

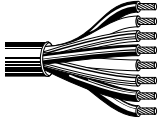
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 14 AWG • Stranded Tinned Copper Wire****Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1

Unshielded

Industrial areas with increased temperature requirements, e.g.

- Mechanical engineering
- Traffic technology
- Lighting industry
- Sauna and solarium
- Glass and ceramic fabrication
- Steel and iron fabrication



Also available on request with Bare Copper conductor for 135°C.

<b>HMC0040</b>	2	1640	500	55.1	25.0	(24x0.20) TC	18	0.75	0.240	6.10
<b>HMC0041</b>	3	1640	500	68.3	31.0	(24x0.20) TC	18	0.75	0.260	6.60
<b>HMC0042</b>	4	1640	500	79.4	36.0	(24x0.20) TC	18	0.75	0.283	7.20
<b>HMC0043</b>	5	1640	500	108.0	49.0	(24x0.20) TC	18	0.75	0.319	8.10
<b>HMC0044</b>	2	1640	500	70.5	32.0	(32x0.20) TC	17	1.00	0.260	6.60
<b>HMC0045</b>	3	1640	500	80.5	36.5	(32x0.20) TC	17	1.00	0.276	7.00
<b>HMC0046</b>	4	1640	500	97.0	44.0	(32x0.20) TC	17	1.00	0.299	7.60
<b>HMC0047</b>	5	1640	500	115.7	52.5	(32x0.20) TC	17	1.00	0.335	8.50
<b>HMC0048</b>	2	1640	500	92.6	42.0	(30x0.25) TC	16	1.50	0.307	7.80
<b>HMC0049</b>	3	1640	500	111.3	50.5	(30x0.25) TC	16	1.50	0.323	8.20
<b>HMC0050</b>	4	1640	500	138.9	63.0	(30x0.25) TC	16	1.50	0.358	9.10
<b>HMC0051</b>	5	1640	500	173.1	78.5	(30x0.25) TC	16	1.50	0.394	10.00
<b>HMC0052</b>	2	1640	500	136.7	62.0	(50x0.25) TC	14	2.50	0.362	9.20
<b>HMC0053</b>	3	1640	500	173.1	78.5	(50x0.25) TC	14	2.50	0.382	9.70
<b>HMC0054</b>	4	1640	500	216.1	98.0	(50x0.25) TC	14	2.50	0.425	10.80
<b>HMC0055</b>	5	1640	500	262.3	119.0	(50x0.25) TC	14	2.50	0.472	12.0

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber**

## Multicore Cables

300/500V, 180°C, peak temp 250°C

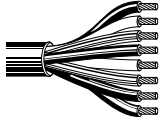
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 14 AWG • Stranded Tinned Copper Wire****Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1

Unshielded

Industrial areas with increased temperature requirements and VDE-approval, e.g.

- Mechanical engineering
- Traffic technology
- Lighting industry
- Sauna and solarium
- Glass and ceramic fabrication
- Steel and iron fabrication



HMC0056	6	1640	500	122.4	55.5	(24x0.20) TC	18	0.75	0.343	8.70
HMC0057	7	1640	500	124.6	56.5	(24x0.20) TC	18	0.75	0.343	8.70
HMC0058	8	1640	500	145.5	66.0	(24x0.20) TC	18	0.75	0.378	9.60
HMC0059	10	1640	500	178.6	81.0	(24x0.20) TC	18	0.75	0.429	10.90
HMC0060	12	1640	500	203.9	92.5	(24x0.20) TC	18	0.75	0.449	11.40
HMC0061	14	1640	500	239.2	108.5	(24x0.20) TC	18	0.75	0.492	12.50
HMC0062	16	1640	500	273.4	124.0	(24x0.20) TC	18	0.75	0.520	13.20
HMC0063	18	1640	500	309.7	140.5	(24x0.20) TC	18	0.75	0.555	14.10
HMC0064	20	1640	500	325.2	147.5	(24x0.20) TC	18	0.75	0.571	14.50
HMC0065	24	1640	500	390.2	177.0	(24x0.20) TC	18	0.75	0.634	16.10
HMC0066	25	1640	500	425.5	193.0	(24x0.20) TC	18	0.75	0.673	17.10
HMC0067	6	1640	500	143.3	65.0	(32x0.20) TC	17	1.00	0.374	9.50
HMC0068	7	1640	500	157.6	71.5	(32x0.20) TC	17	1.00	0.374	9.50
HMC0069	8	1640	500	176.4	80.0	(32x0.20) TC	17	1.00	0.402	10.20
HMC0070	10	1640	500	216.1	98.0	(32x0.20) TC	17	1.00	0.457	11.60
HMC0071	12	1640	500	246.9	112.0	(32x0.20) TC	17	1.00	0.484	12.30
HMC0072	14	1640	500	288.8	131.0	(32x0.20) TC	17	1.00	0.531	13.50
HMC0073	16	1640	500	329.6	149.5	(32x0.20) TC	17	1.00	0.559	14.20
HMC0074	18	1640	500	374.8	170.0	(32x0.20) TC	17	1.00	0.598	15.20
HMC0075	20	1640	500	396.8	180.0	(32x0.20) TC	17	1.00	0.614	15.60
HMC0076	24	1640	500	472.9	214.5	(32x0.20) TC	17	1.00	0.681	17.30
HMC0077	25	1640	500	503.8	228.5	(32x0.20) TC	17	1.00	0.724	18.40
HMC0078	6	1640	500	201.7	91.5	(30x0.25) TC	16	1.50	0.437	11.10
HMC0079	7	1640	500	211.6	96.0	(30x0.25) TC	16	1.50	0.437	11.10
HMC0080	8	1640	500	251.3	114.0	(30x0.25) TC	16	1.50	0.480	12.20
HMC0081	10	1640	500	307.5	139.5	(30x0.25) TC	16	1.50	0.543	13.80
HMC0082	12	1640	500	354.9	161.0	(30x0.25) TC	16	1.50	0.567	14.40
HMC0083	14	1640	500	407.9	185.0	(30x0.25) TC	16	1.50	0.618	15.70
HMC0084	16	1640	500	466.3	211.5	(30x0.25) TC	16	1.50	0.661	16.80
HMC0085	18	1640	500	511.5	232.0	(30x0.25) TC	16	1.50	0.697	17.70

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber**

## Multicore Cables

300/500V, 180°C, peak temp 250°C

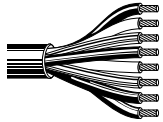
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 14 AWG • Stranded Tinned Copper Wire (continued)****Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • Overall Red-Brown FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1

Unshielded

Industrial areas with increased temperature requirements and VDE-approval, e.g.

- Mechanical engineering
- Traffic technology
- Lighting industry
- Sauna and solarium
- Glass and ceramic fabrication
- Steel and iron fabrication



HMC0086	20	1640	500	565.5	256.5	(30x0.25) TC	16	1.50	0.724	18.40
HMC0087	24	1640	500	677.9	307.5	(30x0.25) TC	16	1.50	0.803	20.40
HMC0088	25	1640	500	720.9	327.0	(30x0.25) TC	16	1.50	0.850	21.60
HMC0089	6	1640	500	307.5	139.5	(50x0.25) TC	14	2.50	0.516	13.10
HMC0090	7	1640	500	319.7	145.0	(50x0.25) TC	14	2.50	0.516	13.10
HMC0091	8	1640	500	375.9	170.5	(50x0.25) TC	14	2.50	0.567	14.40
HMC0092	10	1640	500	458.6	208.0	(50x0.25) TC	14	2.50	0.642	16.30
HMC0093	12	1640	500	544.5	247.0	(50x0.25) TC	14	2.50	0.677	17.20
HMC0094	14	1640	500	621.7	282.0	(50x0.25) TC	14	2.50	0.740	18.80
HMC0095	16	1640	500	703.3	319.0	(50x0.25) TC	14	2.50	0.791	20.10
HMC0096	18	1640	500	736.3	334.0	(50x0.25) TC	14	2.50	0.831	21.10
HMC0097	20	1640	500	867.5	393.5	(50x0.25) TC	14	2.50	0.862	21.90
HMC0098	24	1640	500	1031.8	468.0	(50x0.25) TC	14	2.50	0.957	24.30
HMC0099	25	1640	500	1069.2	485.0	(50x0.25) TC	14	2.50	1.016	25.80

TC = Tinned Copper • DCR = DC resistance



**Silicone Rubber (H05SS-F)**

Multicore Cables

300/500V, 180°C, peak temp 250°C

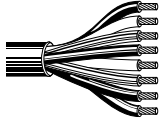
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 10 AWG • Stranded Tinned Copper Wire****Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 15

Unshielded

Industrial areas with increased temperature requirements and VDE-approval, e.g.

- Mechanical engineering
- Traffic technology
- Lighting industry
- Sauna and solarium
- Glass and ceramic fabrication
- Steel and iron fabrication



HMC0100	2	1640	500	55.1	25.0	(24x0.20) TC	18	0.75	0.240	6.10
HMC0101	3	1640	500	68.3	31.0	(24x0.20) TC	18	0.75	0.260	6.60
HMC0102	4	1640	500	79.4	36.0	(24x0.20) TC	18	0.75	0.283	7.20
HMC0103	5	1640	500	108.0	49.0	(24x0.20) TC	18	0.75	0.319	8.10
HMC0104	2	1640	500	70.5	32.0	(32x0.20) TC	17	1.00	0.260	6.60
HMC0105	3	1640	500	80.5	36.5	(32x0.20) TC	17	1.00	0.276	7.00
HMC0106	4	1640	500	97.0	44.0	(32x0.20) TC	17	1.00	0.299	7.60
HMC0107	5	1640	500	115.7	52.5	(32x0.20) TC	17	1.00	0.335	8.50
HMC0108	2	1640	500	92.6	42.0	(30x0.25) TC	16	1.50	0.323	8.20
HMC0109	3	1640	500	111.3	50.5	(30x0.25) TC	16	1.50	0.343	8.70
HMC0110	4	1640	500	138.9	63.0	(30x0.25) TC	16	1.50	0.378	9.60
HMC0111	5	1640	500	173.1	78.5	(30x0.25) TC	16	1.50	0.413	10.50
HMC0112	2	1640	500	136.7	62.0	(50x0.25) TC	14	2.50	0.378	9.60
HMC0113	3	1640	500	173.1	78.5	(50x0.25) TC	14	2.50	0.402	10.20
HMC0114	4	1640	500	216.1	98.0	(50x0.25) TC	14	2.50	0.445	11.30
HMC0115	5	1640	500	262.3	119.0	(50x0.25) TC	14	2.50	0.496	12.60
HMC0116	3	1640	500	248.0	112.5	(56x0.30) TC	12	4	0.469	11.90
HMC0117	4	1640	500	319.7	145.0	(56x0.30) TC	12	4	0.520	13.20
HMC0118	3	1640	500	336.2	152.5	(84x0.30) TC	10	6	0.535	13.60
HMC0119	4	1640	500	418.9	190.0	(84x0.30) TC	10	6	0.591	15.00

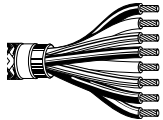
TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Steel Wire Braid (SWB)**

Multicore Cables

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire****Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**IEC 60754-1  
VDE 0282  
Part 1Overall  
Glass Fiber FoilIndustrial areas with increased temperature and  
mechanical requirements, e.g.  
- Mechanical engineering  
- Glass and ceramic fabrication  
- Steel and iron fabrication

HMC0120	2	1640	500	97.0	44.0	(24x0.20) TC	18	0.75	0.283	7.20
HMC0121	3	1640	500	109.1	49.5	(24x0.20) TC	18	0.75	0.299	7.60
HMC0122	4	1640	500	133.4	60.5	(24x0.20) TC	18	0.75	0.319	8.10
HMC0123	5	1640	500	162.0	73.5	(24x0.20) TC	18	0.75	0.362	9.20
HMC0124	6	1640	500	186.3	84.5	(24x0.20) TC	18	0.75	0.390	9.90
HMC0125	7	1640	500	196.2	89.0	(24x0.20) TC	18	0.75	0.390	9.90
HMC0126	2	1640	500	108.0	49.0	(32x0.20) TC	17	1.00	0.299	7.60
HMC0127	3	1640	500	131.2	59.5	(32x0.20) TC	17	1.00	0.315	8.00
HMC0128	4	1640	500	153.2	69.5	(32x0.20) TC	17	1.00	0.346	8.80
HMC0129	5	1640	500	184.1	83.5	(32x0.20) TC	17	1.00	0.382	9.70
HMC0130	6	1640	500	203.9	92.5	(32x0.20) TC	17	1.00	0.409	10.40
HMC0131	7	1640	500	213.8	97.0	(32x0.20) TC	17	1.00	0.409	10.40
HMC0132	2	1640	500	138.9	63.0	(30x0.25) TC	16	1.50	0.327	8.30
HMC0133	3	1640	500	157.6	71.5	(30x0.25) TC	16	1.50	0.343	8.70
HMC0134	4	1640	500	187.4	85.0	(30x0.25) TC	16	1.50	0.378	9.60
HMC0135	5	1640	500	218.3	99.0	(30x0.25) TC	16	1.50	0.409	10.40
HMC0136	6	1640	500	270.1	122.5	(30x0.25) TC	16	1.50	0.449	11.40
HMC0137	7	1640	500	282.2	128.0	(30x0.25) TC	16	1.50	0.449	11.40
HMC0138	8	1640	500	347.2	157.5	(30x0.25) TC	16	1.50	0.500	12.70
HMC0139	10	1640	500	407.9	185.0	(30x0.25) TC	16	1.50	0.551	14.00
HMC0140	12	1640	500	449.7	204.0	(30x0.25) TC	16	1.50	0.571	14.50
HMC0141	14	1640	500	519.2	235.5	(30x0.25) TC	16	1.50	0.614	15.60
HMC0142	16	1640	500	596.3	270.5	(30x0.25) TC	16	1.50	0.669	17.00
HMC0143	18	1640	500	660.3	299.5	(30x0.25) TC	16	1.50	0.701	17.80
HMC0144	20	1640	500	694.4	315.0	(30x0.25) TC	16	1.50	0.720	18.30
HMC0145	24	1640	500	837.7	380.0	(30x0.25) TC	16	1.50	0.803	20.40
HMC0146	2	1640	500	181.9	82.5	(50x0.25) TC	14	2.50	0.382	9.70
HMC0147	3	1640	500	262.3	119.0	(50x0.25) TC	14	2.50	0.402	10.20
HMC0148	4	1640	500	295.4	134.0	(50x0.25) TC	14	2.50	0.453	11.50

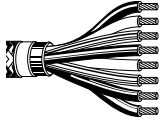
TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Steel Wire Braid (SWB)**

Multicore Cables

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire (continued)****Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**IEC 60754-1  
VDE 0282  
Part 1Overall  
Glass Fiber FoilIndustrial areas with increased temperature and  
mechanical requirements, e.g.  
- Mechanical engineering  
- Glass and ceramic fabrication  
- Steel and iron fabrication

HMC0149	5	1640	500	347.2	157.5	(50x0.25) TC	14	2.50	0.500	12.70
HMC0150	6	1640	500	407.9	185.0	(50x0.25) TC	14	2.50	0.539	13.70
HMC0151	7	1640	500	424.4	192.5	(50x0.25) TC	14	2.50	0.539	13.70
HMC0152	12	1640	500	670.2	304.0	(50x0.25) TC	14	2.50	0.693	17.60
HMC0153	2	1640	500	281.1	127.5	(56x0.30) TC	12	4	0.453	11.50
HMC0154	3	1640	500	329.6	149.5	(56x0.30) TC	12	4	0.480	12.20
HMC0155	4	1640	500	402.3	182.5	(56x0.30) TC	12	4	0.528	13.40
HMC0156	5	1640	500	501.5	227.5	(56x0.30) TC	12	4	0.594	15.10
HMC0157	6	1640	500	578.7	262.5	(56x0.30) TC	12	4	0.646	16.40
HMC0158	7	1640	500	612.9	278.0	(56x0.30) TC	12	4	0.646	16.40
HMC0159	2	1640	500	359.3	163.0	(84x0.30) TC	10	6	0.508	12.90
HMC0160	3	1640	500	442.0	200.5	(84x0.30) TC	10	6	0.539	13.70
HMC0161	4	1640	500	534.6	242.5	(84x0.30) TC	10	6	0.583	14.80
HMC0162	5	1640	500	663.6	301.0	(84x0.30) TC	10	6	0.661	16.80
HMC0163	6	1640	500	772.7	350.5	(84x0.30) TC	10	6	0.717	18.20
HMC0164	7	1640	500	811.3	368.0	(84x0.30) TC	10	6	0.717	18.20
HMC0165	2	1640	500	598.5	271.5	(80x0.40) TC	8	10	0.681	17.30
HMC0166	3	1640	500	718.7	326.0	(80x0.40) TC	8	10	0.724	18.40
HMC0167	4	1640	500	909.4	412.5	(80x0.40) TC	8	10	0.811	20.60
HMC0168	5	1640	500	1088.0	493.5	(80x0.40) TC	8	10	0.886	22.50
HMC0169	2	1640	500	824.5	374.0	(128x0.40) TC	6	16	0.795	20.20
HMC0170	3	1640	500	1002.0	454.5	(128x0.40) TC	6	16	0.846	21.50
HMC0171	4	1640	500	1304.0	591.5	(128x0.40) TC	6	16	0.921	23.40
HMC0172	5	1640	500	1535.5	696.5	(128x0.40) TC	6	16	1.031	26.20
HMC0173	2	1640	500	1153.0	523.0	(200x0.40) TC	4	25	0.937	23.80
HMC0174	3	1640	500	1484.8	673.5	(200x0.40) TC	4	25	1.024	26.00
HMC0175	4	1640	500	1849.7	839.0	(200x0.40) TC	4	25	1.114	28.30
HMC0176	2	1640	500	1519.0	689.0	(280x0.40) TC	2	35	1.071	27.20
HMC0177	3	1640	500	2034.8	923.0	(280x0.40) TC	2	35	1.142	29.00

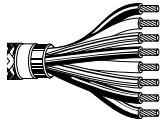
TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Steel Wire Braid (SWB)**

Multicore Cables

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire (continued)****Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**IEC 60754-1  
VDE 0282  
Part 1Overall  
Glass Fiber FoilIndustrial areas with increased temperature and  
mechanical requirements, e.g.  
- Mechanical engineering  
- Glass and ceramic fabrication  
- Steel and iron fabrication

<b>HMC0178</b>	4	1640	500	2469.2	1120.0	(280x0.40) TC	2	35	1.272	32.30		
<b>HMC0179</b>	2	1640	500	2060.2	934.5	(400x0.40) TC	1	50	1.236	31.40		
<b>HMC0180</b>	3	1640	500	2627.9	1192.0	(400x0.40) TC	1	50	1.319	33.50		
<b>HMC0181</b>	4	1640	500	2978.4	1351.0	(400x0.40) TC	1	50	1.465	37.20		
<b>HMC0182</b>	2	1640	500	2735.9	1241.0	(356x0.50) TC	2/0	70	1.390	35.30		
<b>HMC0183</b>	3	1640	500	3653.0	1657.0	(356x0.50) TC	2/0	70	1.508	38.30		
<b>HMC0184</b>	4	1640	500	4490.8	2037.0	(356x0.50) TC	2/0	70	1.673	42.50		
<b>HMC0185</b>	2	1640	500	3725.8	1690.0	(485x0.50) TC	3/0	95	1.630	41.40		
<b>HMC0186</b>	3	1640	500	4738.8	2149.5	(485x0.50) TC	3/0	95	1.764	44.80		
<b>HMC0187</b>	4	1640	500	5885.2	2669.5	(485x0.50) TC	3/0	95	1.961	49.80		
<b>HMC0188</b>	3	1640	500	5816.8	2638.5	(614x0.50) TC	4/0	120	1.921	48.80		
<b>HMC0189</b>	4	1640	500	7243.2	3285.5	(614x0.50) TC	4/0	120	2.130	54.10		

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Overall Braid**

Multicore Cables

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 14 AWG • Stranded Tinned Copper Wire • Separator Foil • Overall Tinned Copper Braid****Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1Overall  
> 85% TC  
BraidIndustrial areas with increased temperature and  
mechanical requirements, e.g.  
- Mechanical engineering  
- Traffic technology  
- Lighting industry  
- Glass and ceramic fabrication  
- Steel and iron fabrication

HMC0190	2	1640	500	100.3	45.5	(24x0.20) TC	18	0.75	0.287	7.30
HMC0191	3	1640	500	120.2	54.5	(24x0.20) TC	18	0.75	0.299	7.60
HMC0192	4	1640	500	141.1	64.0	(24x0.20) TC	18	0.75	0.323	8.20
HMC0193	5	1640	500	170.9	77.5	(24x0.20) TC	18	0.75	0.350	8.90
HMC0194	7	1640	500	209.4	95.0	(24x0.20) TC	18	0.75	0.386	9.80
HMC0195	2	1640	500	114.6	52.0	(32x0.20) TC	17	1.00	0.315	8.00
HMC0196	3	1640	500	136.7	62.0	(32x0.20) TC	17	1.00	0.331	8.40
HMC0197	4	1640	500	157.6	71.5	(32x0.20) TC	17	1.00	0.354	9.00
HMC0198	5	1640	500	201.7	91.5	(32x0.20) TC	17	1.00	0.382	9.70
HMC0199	7	1640	500	264.6	120.0	(32x0.20) TC	17	1.00	0.421	10.70
HMC0200	2	1640	500	132.3	60.0	(30x0.25) TC	16	1.50	0.339	8.60
HMC0201	3	1640	500	159.8	72.5	(30x0.25) TC	16	1.50	0.354	9.00
HMC0202	4	1640	500	210.5	95.5	(30x0.25) TC	16	1.50	0.390	9.90
HMC0203	5	1640	500	246.9	112.0	(30x0.25) TC	16	1.50	0.421	10.70
HMC0204	7	1640	500	297.6	135.0	(30x0.25) TC	16	1.50	0.453	11.50
HMC0205	2	1640	500	192.9	87.5	(50x0.25) TC	14	2.50	0.394	10.00
HMC0206	3	1640	500	233.7	106.0	(50x0.25) TC	14	2.50	0.413	10.50
HMC0207	4	1640	500	288.8	131.0	(50x0.25) TC	14	2.50	0.445	11.30
HMC0208	5	1640	500	337.3	153.0	(50x0.25) TC	14	2.50	0.484	12.30
HMC0209	7	1640	500	451.9	205.0	(50x0.25) TC	14	2.50	0.547	13.90
HMC0210	2	1640	500	251.3	114.0	(56x0.30) TC	12	4	0.449	11.40
HMC0211	3	1640	500	318.6	144.5	(56x0.30) TC	12	4	0.472	12.00
HMC0212	4	1640	500	414.5	188.0	(56x0.30) TC	12	4	0.535	13.60
HMC0213	5	1640	500	482.8	219.0	(56x0.30) TC	12	4	0.583	14.80
HMC0214	7	1640	500	612.9	278.0	(56x0.30) TC	12	4	0.630	16.00

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber - Heavy Duty**

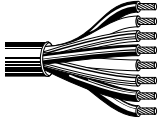
Multicore Cables

300/500V, 180°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 10 AWG • Stranded Tinned Copper Wire****Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1

Unshielded

Industrial areas with increased temperature  
requirements, e.g.  
- Traffic technology  
- Power plant technology  
- Mechanical engineering  
- Steel and iron fabrication

HMC0215	2	1640	500	115.7	52.5	(24x0.20) TC	18	0.75	0.374	9.50
HMC0216	3	1640	500	130.1	59.0	(24x0.20) TC	18	0.75	0.386	9.80
HMC0217	4	1640	500	148.8	67.5	(24x0.20) TC	18	0.75	0.409	10.40
HMC0218	5	1640	500	173.1	78.5	(24x0.20) TC	18	0.75	0.437	11.10
HMC0219	6	1640	500	198.4	90.0	(24x0.20) TC	18	0.75	0.461	11.70
HMC0220	7	1640	500	202.8	92.0	(24x0.20) TC	18	0.75	0.461	11.70
HMC0221	2	1640	500	127.9	58.0	(32x0.20) TC	17	1.00	0.386	9.80
HMC0222	3	1640	500	145.5	66.0	(32x0.20) TC	17	1.00	0.402	10.20
HMC0223	4	1640	500	167.5	76.0	(32x0.20) TC	17	1.00	0.425	10.80
HMC0224	5	1640	500	197.3	89.5	(32x0.20) TC	17	1.00	0.453	11.50
HMC0225	6	1640	500	224.9	102.0	(32x0.20) TC	17	1.00	0.484	12.30
HMC0226	7	1640	500	232.6	105.0	(32x0.20) TC	17	1.00	0.484	12.30
HMC0227	2	1640	500	157.6	71.5	(30x0.25) TC	16	1.50	0.425	10.80
HMC0228	3	1640	500	181.9	82.5	(30x0.25) TC	16	1.50	0.441	11.20
HMC0229	4	1640	500	211.6	96.0	(30x0.25) TC	16	1.50	0.469	11.90
HMC0230	5	1640	500	252.4	114.5	(30x0.25) TC	16	1.50	0.504	12.80
HMC0231	6	1640	500	276.7	125.5	(30x0.25) TC	16	1.50	0.539	13.70
HMC0232	7	1640	500	299.8	136.0	(30x0.25) TC	16	1.50	0.539	13.70
HMC0233	8	1640	500	340.6	154.5	(30x0.25) TC	16	1.50	0.575	14.60
HMC0234	10	1640	500	403.4	183.0	(30x0.25) TC	16	1.50	0.630	16.00
HMC0235	12	1640	500	453.0	205.5	(30x0.25) TC	16	1.50	0.654	16.60
HMC0236	14	1640	500	513.7	233.0	(30x0.25) TC	16	1.50	0.697	17.70
HMC0237	16	1640	500	573.2	260.0	(30x0.25) TC	16	1.50	0.732	18.60
HMC0238	18	1640	500	636.0	288.5	(30x0.25) TC	16	1.50	0.768	19.50
HMC0239	20	1640	500	679.0	308.0	(30x0.25) TC	16	1.50	0.787	20.00
HMC0240	24	1640	500	794.8	360.5	(30x0.25) TC	16	1.50	0.858	21.80
HMC0241	30	1640	500	951.3	431.5	(30x0.25) TC	16	1.50	0.925	23.50
HMC0242	2	1640	500	206.1	93.5	(50x0.25) TC	14	2.50	0.472	12.00
HMC0243	3	1640	500	243.6	110.5	(50x0.25) TC	14	2.50	0.492	12.50

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Heavy Duty**

Multicore Cables  
300/500V, 180°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

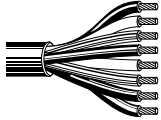
**180°C • 18 - 10 AWG • Stranded Tinned Copper Wire (continued)**

**Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**

IEC 60754-1  
VDE 0282  
Part 1

Unshielded

Industrial areas with increased temperature requirements, e.g.  
- Traffic technology  
- Power plant technology  
- Mechanical engineering  
- Steel and iron fabrication



HMC0244	4	1640	500	287.7	130.5	(50x0.25) TC	14	2.50	0.528	13.40
HMC0245	5	1640	500	343.9	156.0	(50x0.25) TC	14	2.50	0.567	14.40
HMC0246	6	1640	500	401.2	182.0	(50x0.25) TC	14	2.50	0.610	15.50
HMC0247	7	1640	500	421.1	191.0	(50x0.25) TC	14	2.50	0.610	15.50
HMC0248	12	1640	500	658.1	298.5	(50x0.25) TC	14	2.50	0.748	19.00
HMC0249	24	1640	500	1169.5	530.5	(50x0.25) TC	14	2.50	0.996	25.30
HMC0250	30	1640	500	1352.5	613.5	(50x0.25) TC	14	2.50	1.083	27.50
HMC0251	2	1640	500	263.4	119.5	(56x0.30) TC	12	4	0.512	13.00
HMC0252	3	1640	500	317.5	144.0	(56x0.30) TC	12	4	0.535	13.60
HMC0253	4	1640	500	381.4	173.0	(56x0.30) TC	12	4	0.575	14.60
HMC0254	5	1640	500	465.2	211.0	(56x0.30) TC	12	4	0.622	15.80
HMC0255	6	1640	500	539.0	244.5	(56x0.30) TC	12	4	0.669	17.00
HMC0256	7	1640	500	571.0	259.0	(56x0.30) TC	12	4	0.669	17.00
HMC0257	2	1640	500	334.0	151.5	(84x0.30) TC	10	6	0.559	14.20
HMC0258	3	1640	500	409.0	185.5	(84x0.30) TC	10	6	0.587	14.90
HMC0259	4	1640	500	494.9	224.5	(84x0.30) TC	10	6	0.634	16.10
HMC0260	5	1640	500	610.7	277.0	(84x0.30) TC	10	6	0.685	17.40
HMC0261	6	1640	500	713.2	323.5	(84x0.30) TC	10	6	0.740	18.80
HMC0262	7	1640	500	751.8	341.0	(84x0.30) TC	10	6	0.740	18.80

TC = Tinned Copper • DCR = DC resistance

**Silicone Rubber – Heavy Duty, Overall Braid**

Multicore Cables

300/500V, 180°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid****Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • Overall Black FRNC/LSNH Jacket**IEC 60754-1  
VDE 0282  
Part 1Overall  
> 85% TC  
BraidIndustrial areas with increased temperature  
requirements, e.g.  
- Traffic technology  
- Power plant technology  
- Mechanical engineering  
- Steel and iron fabrication

HMC0263	2	1640	500	148.8	67.5	(24x0.20) TC	18	0.75	0.429	10.90
HMC0264	3	1640	500	166.4	75.5	(24x0.20) TC	18	0.75	0.445	11.30
HMC0265	4	1640	500	187.4	85.0	(24x0.20) TC	18	0.75	0.465	11.80
HMC0266	5	1640	500	212.7	96.5	(24x0.20) TC	18	0.75	0.492	12.50
HMC0267	6	1640	500	261.2	118.5	(24x0.20) TC	18	0.75	0.528	13.40
HMC0268	7	1640	500	266.8	121.0	(24x0.20) TC	18	0.75	0.528	13.40
HMC0269	2	1640	500	160.9	73.0	(32x0.20) TC	17	1.00	0.445	11.30
HMC0270	3	1640	500	180.8	82.0	(32x0.20) TC	17	1.00	0.461	11.70
HMC0271	4	1640	500	206.1	93.5	(32x0.20) TC	17	1.00	0.484	12.30
HMC0272	5	1640	500	241.4	109.5	(32x0.20) TC	17	1.00	0.520	13.20
HMC0273	6	1640	500	288.8	131.0	(32x0.20) TC	17	1.00	0.547	13.90
HMC0274	7	1640	500	296.5	134.5	(32x0.20) TC	17	1.00	0.547	13.90
HMC0275	2	1640	500	203.9	92.5	(30x0.25) TC	16	1.50	0.480	12.20
HMC0276	3	1640	500	249.1	113.0	(30x0.25) TC	16	1.50	0.508	12.90
HMC0277	4	1640	500	288.8	131.0	(30x0.25) TC	16	1.50	0.535	13.60
HMC0278	5	1640	500	334.0	151.5	(30x0.25) TC	16	1.50	0.567	14.40
HMC0279	6	1640	500	380.3	172.5	(30x0.25) TC	16	1.50	0.602	15.30
HMC0280	7	1640	500	392.4	178.0	(30x0.25) TC	16	1.50	0.602	15.30
HMC0281	8	1640	500	469.6	213.0	(30x0.25) TC	16	1.50	0.646	16.40
HMC0282	10	1640	500	533.5	242.0	(30x0.25) TC	16	1.50	0.701	17.80
HMC0283	12	1640	500	607.4	275.5	(30x0.25) TC	16	1.50	0.724	18.40
HMC0284	14	1640	500	668.0	303.0	(30x0.25) TC	16	1.50	0.772	19.60
HMC0285	16	1640	500	737.4	334.5	(30x0.25) TC	16	1.50	0.803	20.40
HMC0286	18	1640	500	817.9	371.0	(30x0.25) TC	16	1.50	0.839	21.30
HMC0287	20	1640	500	864.2	392.0	(30x0.25) TC	16	1.50	0.858	21.80
HMC0288	24	1640	500	1029.5	467.0	(30x0.25) TC	16	1.50	0.929	23.60
HMC0289	30	1640	500	1209.2	548.5	(30x0.25) TC	16	1.50	1.000	25.40
HMC0290	2	1640	500	271.2	123.0	(50x0.25) TC	14	2.50	0.535	13.60
HMC0291	3	1640	500	316.4	143.5	(50x0.25) TC	14	2.50	0.559	14.20
HMC0292	4	1640	500	372.6	169.0	(50x0.25) TC	14	2.50	0.594	15.10
HMC0293	5	1640	500	466.3	211.5	(50x0.25) TC	14	2.50	0.642	16.30

TC = Tinned Copper • DCR = DC resistance



### Silicone Rubber – Heavy Duty, Overall Braid

Multicore Cables  
300/500V, 180°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid (continued)**

**Silicone Halogen-Free Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**

	IEC 60754-1	Overall	Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	VDE 0282 Part 1	> 85% TC Braid	

HMC0294	6	1640	500	529.1	240.0	(50x0.25) TC	14	2.50	0.681	17.30
HMC0295	7	1640	500	548.9	249.0	(50x0.25) TC	14	2.50	0.681	17.30
HMC0296	12	1640	500	831.1	377.0	(50x0.25) TC	14	2.50	0.823	20.90
HMC0297	24	1640	500	1434.1	650.5	(50x0.25) TC	14	2.50	1.071	27.20
HMC0298	30	1640	500	1733.9	786.5	(50x0.25) TC	14	2.50	1.154	29.30
HMC0299	2	1640	500	306.4	139.0	(56x0.30) TC	12	4	0.575	14.60
HMC0300	3	1640	500	372.6	169.0	(56x0.30) TC	12	4	0.602	15.30
HMC0301	4	1640	500	471.8	214.0	(56x0.30) TC	12	4	0.650	16.50
HMC0302	5	1640	500	562.2	255.0	(56x0.30) TC	12	4	0.693	17.60
HMC0303	6	1640	500	640.4	290.5	(56x0.30) TC	12	4	0.740	18.80
HMC0304	7	1640	500	681.2	309.0	(56x0.30) TC	12	4	0.740	18.80
HMC0305	2	1640	500	402.3	182.5	(84x0.30) TC	10	6	0.630	16.00
HMC0306	3	1640	500	489.4	222.0	(84x0.30) TC	10	6	0.661	16.80
HMC0307	4	1640	500	585.3	265.5	(84x0.30) TC	10	6	0.705	17.90
HMC0308	5	1640	500	714.3	324.0	(84x0.30) TC	10	6	0.760	19.30
HMC0309	6	1640	500	827.8	375.5	(84x0.30) TC	10	6	0.811	20.60
HMC0310	7	1640	500	871.9	395.5	(84x0.30) TC	10	6	0.811	20.60

TC = Tinned Copper • DCR = DC resistance

**FEP**

## Multicore Cables

600V, 200°C, peak temp 230°C

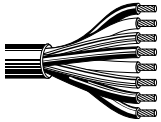
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**205°C • 18 - 14 AWG • Stranded Silver-Plated Copper Wire****FEP Insulation** (Color Code: see chart 11, Tech Info Section) • **Overall Grey FEP Jacket**

Unshielded

Industrial areas with high temperature and increased mechanical stress, e.g.

- Instrumentation engineering
- Mechanical engineering
- Chemical industry
- Traffic and automotive
- Lighting industry



HMC0311	2	1640	500	34.2	15.5	(24x0.20) SPC	18	0.75	0.177	4.50
HMC0312	3	1640	500	46.3	21.0	(24x0.20) SPC	18	0.75	0.189	4.80
HMC0313	4	1640	500	63.9	29.0	(24x0.20) SPC	18	0.75	0.201	5.10
HMC0314	5	1640	500	82.7	37.5	(24x0.20) SPC	18	0.75	0.228	5.80
HMC0315	7	1640	500	101.4	46.0	(24x0.20) SPC	18	0.75	0.240	6.10
HMC0316	2	1640	500	41.9	19.0	(32x0.20) SPC	17	1.00	0.193	4.90
HMC0317	3	1640	500	59.5	27.0	(32x0.20) SPC	17	1.00	0.205	5.20
HMC0318	4	1640	500	77.2	35.0	(32x0.20) SPC	17	1.00	0.224	5.70
HMC0319	5	1640	500	97.0	44.0	(32x0.20) SPC	17	1.00	0.240	6.10
HMC0320	7	1640	500	131.2	59.5	(32x0.20) SPC	17	1.00	0.272	6.90
HMC0321	2	1640	500	58.4	26.5	(30x0.25) SPC	16	1.50	0.213	5.40
HMC0322	3	1640	500	79.4	36.0	(30x0.25) SPC	16	1.50	0.228	5.80
HMC0323	4	1640	500	100.3	45.5	(30x0.25) SPC	16	1.50	0.248	6.30
HMC0324	5	1640	500	129.0	58.5	(30x0.25) SPC	16	1.50	0.280	7.10
HMC0325	7	1640	500	169.8	77.0	(30x0.25) SPC	16	1.50	0.307	7.80
HMC0326	2	1640	500	97.0	44.0	(50x0.25) SPC	14	2.50	0.256	6.50
HMC0327	3	1640	500	125.7	57.0	(50x0.25) SPC	14	2.50	0.283	7.20
HMC0328	4	1640	500	162.0	73.5	(50x0.25) SPC	14	2.50	0.307	7.80
HMC0329	5	1640	500	198.4	90.0	(50x0.25) SPC	14	2.50	0.339	8.60
HMC0330	7	1640	500	267.9	121.5	(50x0.25) SPC	14	2.50	0.382	9.70

SPC = Silver-Plated Copper • DCR = DC resistance

**FEP – Overall Braid**

Multicore Cables

600V, 200°C, peak temp 230°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**205°C • 26 - 20 AWG • Stranded Silver-Plated Copper Wire • Separator Foil • Overall Tinned Copper Braid****FEP Insulation (Color Code: see chart 11, Tech Info Section) • Overall Grey FEP Jacket**Overall  
> 85% TC  
Braid

Industrial areas with high temperature and increased mechanical stress, e.g.

- Instrumentation engineering
- Mechanical engineering
- Chemical industry
- Traffic and automotive
- Lighting industry

HMC0331	2	1640	500	27.6	12.5	(19x0.107) SPC	26	0.14	0.142	3.60	
HMC0332	3	1640	500	33.1	15.0	(19x0.107) SPC	26	0.14	0.150	3.80	
HMC0333	4	1640	500	38.6	17.5	(19x0.107) SPC	26	0.14	0.154	3.90	
HMC0334	5	1640	500	48.5	22.0	(19x0.107) SPC	26	0.14	0.173	4.40	
HMC0335	6	1640	500	56.2	25.5	(19x0.107) SPC	26	0.14	0.193	4.90	
HMC0336	7	1640	500	59.5	27.0	(19x0.107) SPC	26	0.14	0.193	4.90	
HMC0337	2	1640	500	33.1	15.0	(19x0.127) SPC	24	0.25	0.150	3.80	
HMC0338	3	1640	500	38.6	17.5	(19x0.127) SPC	24	0.25	0.157	4.00	
HMC0339	4	1640	500	43.0	19.5	(19x0.127) SPC	24	0.25	0.165	4.20	
HMC0340	5	1640	500	56.2	25.5	(19x0.127) SPC	24	0.25	0.189	4.80	
HMC0341	6	1640	500	60.6	27.5	(19x0.127) SPC	24	0.25	0.197	5.00	
HMC0342	7	1640	500	69.4	31.5	(19x0.127) SPC	24	0.25	0.197	5.00	
HMC0343	2	1640	500	39.7	18.0	(19x0.160) SPC	22	0.34	0.161	4.10	
HMC0344	3	1640	500	48.5	22.0	(19x0.160) SPC	22	0.34	0.169	4.30	
HMC0345	4	1640	500	59.5	27.0	(19x0.160) SPC	22	0.34	0.193	4.90	
HMC0346	5	1640	500	70.5	32.0	(19x0.160) SPC	22	0.34	0.209	5.30	
HMC0347	6	1640	500	79.4	36.0	(19x0.160) SPC	22	0.34	0.224	5.70	
HMC0348	7	1640	500	86.0	39.0	(19x0.160) SPC	22	0.34	0.224	5.70	
HMC0349	2	1640	500	48.5	22.0	(19x0.203) SPC	20	0.50	0.177	4.50	
HMC0350	3	1640	500	61.7	28.0	(19x0.203) SPC	20	0.50	0.193	4.90	
HMC0351	4	1640	500	81.6	37.0	(19x0.203) SPC	20	0.50	0.213	5.40	
HMC0352	5	1640	500	92.6	42.0	(19x0.203) SPC	20	0.50	0.228	5.80	
HMC0353	6	1640	500	108.0	49.0	(19x0.203) SPC	20	0.50	0.248	6.30	
HMC0354	7	1640	500	117.9	53.5	(19x0.203) SPC	20	0.50	0.248	6.30	

TC = Tinned Copper • SPC = Silver-Plated Copper • DCR = DC resistance

**Glass Fiber – Glass Braid**

Multicore Cables  
300/300V, 350°C

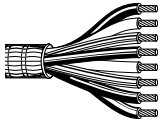
De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**350°C • 24 - 12 AWG • Stranded Nickel-Plated Copper Wire • Separator Foil • Overall Silicone Impregnated Glass Fiber Braid**

**Glass Fiber Insulation** (Color Code: see chart 11, Tech Info Section)

Overall  
Glass Fiber Braid

For wiring at high ambient temperature and increased mechanical stress, e.g.  
- Extrusion and drying installations  
- Electric heatings  
- Steel and iron fabrication  
- Glass and ceramic fabrication



HMC0355	2	1640	500	14.3	6.5	(7x0.20) NPC	24	0.22	0.098	2.50
HMC0356	3	1640	500	16.5	7.5	(7x0.20) NPC	24	0.22	0.106	2.70
HMC0357	4	1640	500	18.7	8.5	(7x0.20) NPC	24	0.22	0.114	2.90
HMC0358	2	1640	500	20.9	9.5	(7x0.25) NPC	22	0.34	0.118	3.00
HMC0359	3	1640	500	16.5	7.5	(7x0.25) NPC	22	0.34	0.130	3.30
HMC0360	4	1640	500	36.4	16.5	(7x0.25) NPC	22	0.34	0.138	3.50
HMC0361	2	1640	500	28.7	13.0	(16x0.20) NPC	20	0.50	0.138	3.50
HMC0362	3	1640	500	39.7	18.0	(16x0.20) NPC	20	0.50	0.146	3.70
HMC0363	4	1640	500	49.6	22.5	(16x0.20) NPC	20	0.50	0.157	4.00
HMC0364	2	1640	500	48.5	22.0	(24x0.20) NPC	18	0.75	0.201	5.10
HMC0365	3	1640	500	61.7	28.0	(24x0.20) NPC	18	0.75	0.220	5.60
HMC0366	4	1640	500	91.5	41.5	(24x0.20) NPC	18	0.75	0.240	6.10
HMC0367	2	1640	500	69.4	31.5	(32x0.20) NPC	17	1.00	0.220	5.60
HMC0368	3	1640	500	97.0	44.0	(32x0.20) NPC	17	1.00	0.236	6.00
HMC0369	4	1640	500	124.6	56.5	(32x0.20) NPC	17	1.00	0.256	6.50
HMC0370	2	1640	500	81.6	37.0	(30x0.25) NPC	16	1.50	0.252	6.40
HMC0371	3	1640	500	113.5	51.5	(30x0.25) NPC	16	1.50	0.268	6.80
HMC0372	4	1640	500	146.6	66.5	(30x0.25) NPC	16	1.50	0.291	7.40
HMC0373	2	1640	500	156.5	71.0	(50x0.25) NPC	14	2.50*	0.327	8.30
HMC0374	3	1640	500	189.6	86.0	(50x0.25) NPC	14	2.50*	0.402	10.20
HMC0375	4	1640	500	248.0	112.5	(50x0.25) NPC	14	2.50*	0.445	11.30
HMC0376	2	1640	500	202.8	92.0	(56x0.30) NPC	12	4*	0.437	11.10
HMC0377	3	1640	500	248.0	112.5	(56x0.30) NPC	12	4*	0.469	11.90
HMC0378	4	1640	500	341.7	155.0	(56x0.30) NPC	12	4*	0.520	13.20

NPC = Nickel-Plated Copper • DCR = DC resistance  
\* 300/500 Volt construction

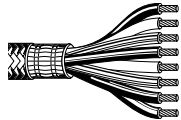
### Glass Fiber – Glass Braid, Steel Wire Braid (SWB)

Multicore Cables  
300/300V, 350°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**350°C • 24 - 12 AWG • Stranded NPC Wire • Impregnated Glass Fiber Shield • Separator Foil • Overall Silicone Impregnated Glass Fiber Braid**

**Glass Fiber Insulation** (Color Code: see chart 11, Tech Info Section) • **SWB**



Overall  
Glass Fiber Braid

For wiring at high ambient temperature and increased mechanical stress, e.g.  
- Extrusion and drying installations  
- Electric heatings  
- Steel and iron fabrication  
- Glass and ceramic fabrication

HMC0379	2	1640	500	27.6	12.5	(7x0.20) NPC	24	0.22	0.130	3.30
HMC0380	3	1640	500	33.1	15.0	(7x0.20) NPC	24	0.22	0.138	3.50
HMC0381	4	1640	500	36.4	16.5	(7x0.20) NPC	24	0.22	0.150	3.80
HMC0382	2	1640	500	35.3	16.0	(7x0.25) NPC	22	0.34	0.146	3.70
HMC0383	3	1640	500	41.9	19.0	(7x0.25) NPC	22	0.34	0.154	3.90
HMC0384	4	1640	500	54.0	24.5	(7x0.25) NPC	22	0.34	0.165	4.20
HMC0385	2	1640	500	46.3	21.0	(16x0.20) NPC	20	0.50	0.165	4.20
HMC0386	3	1640	500	57.3	26.0	(16x0.20) NPC	20	0.50	0.173	4.40
HMC0387	4	1640	500	68.3	31.0	(16x0.20) NPC	20	0.50	0.189	4.80
HMC0388	2	1640	500	75.0	34.0	(24x0.20) NPC	18	0.75	0.228	5.80
HMC0389	3	1640	500	97.0	44.0	(24x0.20) NPC	18	0.75	0.248	6.30
HMC0390	4	1640	500	116.8	53.0	(24x0.20) NPC	18	0.75	0.268	6.80
HMC0391	2	1640	500	94.8	43.0	(32x0.20) NPC	17	1.00	0.248	6.30
HMC0392	3	1640	500	122.4	55.5	(32x0.20) NPC	17	1.00	0.264	6.70
HMC0393	4	1640	500	156.5	71.0	(32x0.20) NPC	17	1.00	0.283	7.20
HMC0394	2	1640	500	106.9	48.5	(30x0.25) NPC	16	1.50	0.280	7.10
HMC0395	3	1640	500	146.6	66.5	(30x0.25) NPC	16	1.50	0.295	7.50
HMC0396	4	1640	500	179.7	81.5	(30x0.25) NPC	16	1.50	0.319	8.10
HMC0397	2	1640	500	192.9	87.5	(50x0.25) NPC	14	2.50*	0.346	8.80
HMC0398	3	1640	500	234.8	106.5	(50x0.25) NPC	14	2.50*	0.429	10.90
HMC0399	4	1640	500	327.4	148.5	(50x0.25) NPC	14	2.50*	0.484	12.30
HMC0400	2	1640	500	278.9	126.5	(56x0.30) NPC	12	4*	0.476	12.10
HMC0401	3	1640	500	325.2	147.5	(56x0.30) NPC	12	4*	0.508	12.90
HMC0402	4	1640	500	434.3	197.0	(56x0.30) NPC	12	4*	0.559	14.20

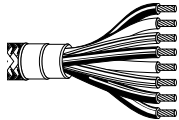
NPC = Nickel-Plated Copper • DCR = DC resistance  
\* 300/500 Volt construction

**Mica - Ceramic Braid, Steel Wire Braid (SWB)**

Multicore Cables

380V, 1250°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**1250°C • 17 - 10 AWG • Stranded SA Wire • Impregnated Ceramic Fiber Shield • Mica Tape • Overall Impregnated Ceramic Fiber Braid****Mica Insulation** (Color Code: see chart 11, Tech Info Section) • **SWB**Overall  
Ceramic Fiber BraidFor wiring at high ambient temperature and increased  
mechanical stress, e.g.  
- Glass and ceramic fabrication  
- Industrial furnaces  
- Electric heating systems

HMC0403	2	328	100	17.0	7.7	(32x0.20) SA	17	1.00	0.323	8.20
HMC0404	3	328	100	22.0	10.0	(32x0.20) SA	17	1.00	0.343	8.70
HMC0405	4	328	100	27.6	12.5	(32x0.20) SA	17	1.00	0.382	9.70
HMC0406	5	328	100	34.6	15.7	(32x0.20) SA	17	1.00	0.417	10.60
HMC0407	2	328	100	20.3	9.2	(30x0.25) SA	16	1.50	0.346	8.80
HMC0408	3	328	100	26.5	12.0	(30x0.25) SA	16	1.50	0.370	9.40
HMC0409	4	328	100	33.3	15.1	(30x0.25) SA	16	1.50	0.409	10.40
HMC0410	5	328	100	41.9	19.0	(30x0.25) SA	16	1.50	0.445	11.30
HMC0411	2	328	100	27.3	12.4	(50x0.25) SA	14	2.50	0.374	9.50
HMC0412	3	328	100	34.8	15.8	(50x0.25) SA	14	2.50	0.398	10.10
HMC0413	4	328	100	44.1	20.0	(50x0.25) SA	14	2.50	0.437	11.10
HMC0414	5	328	100	54.0	24.5	(50x0.25) SA	14	2.50	0.484	12.30
HMC0415	2	328	100	37.9	17.2	(56x0.30) SA	12	4	0.437	11.10
HMC0416	3	328	100	52.5	23.8	(56x0.30) SA	12	4	0.469	11.90
HMC0417	4	328	100	67.5	30.6	(56x0.30) SA	12	4	0.516	13.10
HMC0418	5	328	100	89.1	40.4	(56x0.30) SA	12	4	0.571	14.50
HMC0419	2	328	100	51.6	23.4	(84x0.30) SA	10	6	0.484	12.30
HMC0420	3	328	100	71.4	32.4	(84x0.30) SA	10	6	0.520	13.20
HMC0421	4	328	100	91.9	41.7	(84x0.30) SA	10	6	0.571	14.50
HMC0422	5	328	100	116.6	52.9	(84x0.30) SA	10	6	0.634	16.10

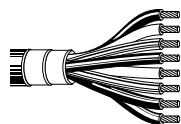
SA = Special Alloy • DCR = DC resistance

**Micaflame® – Glass Braid**

Multicore Cables

300/500V, 1550°C short term, 300°C permanent

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**1550°C • 17 - 10 AWG • Stranded Nickel-Plated Copper Wire • Glass Fiber Shield • Overall Impregnated Glass Fiber Braid****Micaflame® Insulation** (Color Code: see chart 11, Tech Info Section)

(Jacket optional)

Overall  
Glass Fiber Braid

For wiring at high ambient temperature and increased mechanical stress. These cables are fire resistant and offer at least 15 minutes insulation integrity in liquid steel or aluminium, e.g.

- Glass and ceramic fabrication
- Industrial furnaces
- Electric heating systems

HMC0423	2	328	100	23.4	10.6	(32x0.20) NPC	17	1.00	0.402	10.20
HMC0424	3	328	100	31.5	14.3	(32x0.20) NPC	17	1.00	0.433	11.00
HMC0425	4	328	100	39.9	18.1	(32x0.20) NPC	17	1.00	0.476	12.10
HMC0426	5	328	100	50.7	23.0	(32x0.20) NPC	17	1.00	0.524	13.30
HMC0427	2	328	100	26.7	12.1	(30x0.25) NPC	16	1.50	0.421	10.70
HMC0428	3	328	100	36.2	16.4	(30x0.25) NPC	16	1.50	0.453	11.50
HMC0429	4	328	100	45.9	20.8	(30x0.25) NPC	16	1.50	0.496	12.60
HMC0430	5	328	100	58.6	26.6	(30x0.25) NPC	16	1.50	0.551	14.00
HMC0431	2	328	100	33.1	15.0	(50x0.25) NPC	14	2.50	0.465	11.80
HMC0432	3	328	100	45.4	20.6	(50x0.25) NPC	14	2.50	0.492	12.50
HMC0433	4	328	100	58.4	26.5	(50x0.25) NPC	14	2.50	0.543	13.80
HMC0434	5	328	100	73.2	33.2	(50x0.25) NPC	14	2.50	0.606	15.40
HMC0435	2	328	100	41.4	18.8	(56x0.30) NPC	12	4	0.500	12.70
HMC0436	3	328	100	57.8	26.2	(56x0.30) NPC	12	4	0.535	13.60
HMC0437	4	328	100	74.3	33.7	(56x0.30) NPC	12	4	0.591	15.00
HMC0438	5	328	100	91.5	41.5	(56x0.30) NPC	12	4	0.654	16.60
HMC0439	2	328	100	52.5	23.8	(84x0.30) NPC	10	6	0.555	14.10
HMC0440	3	328	100	74.1	33.6	(84x0.30) NPC	10	6	0.594	15.10
HMC0441	4	328	100	98.8	44.8	(84x0.30) NPC	10	6	0.650	16.50
HMC0442	5	328	100	124.6	56.5	(84x0.30) NPC	10	6	0.728	18.50

NPC = Nickel-Plated Copper • DCR = DC resistance

**PVC LIY(ST)CY**  
Multicore Cables  
500V, 80°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**80°C • 22 - 14 AWG • Stranded Bare Copper Wire • Overall Alufoil • >65% Overall Bare Copper Braid**

**PVC Insulation** (Color Code: see chart 11, Tech Info Section) • **Grey PVC Flame Retardant Jacket**

IEC 332

Overall  
Alufoil  
+ Overall  
65% BC Braid

- Survey and data transmission
- Check and drive systems
- Measure and monitor systems
- Interconnection of computer networks and outskirts interface



HMC0444	2	328	100	70.5	32.0	(11x0.193) BC	22	0.35	0.169	4.30
HMC0445	3	328	100	77.2	35.0	(11x0.193) BC	22	0.35	0.177	4.50
HMC0446	4	328	100	88.2	40.0	(11x0.193) BC	22	0.35	0.189	4.80
HMC0447	5	328	100	110.2	50.0	(11x0.193) BC	22	0.35	0.228	5.80
HMC0448	6	328	100	121.3	55.0	(11x0.193) BC	22	0.35	0.232	5.90
HMC0449	7	328	100	143.3	65.0	(11x0.193) BC	22	0.35	0.236	6.00
HMC0451	2	328	100	79.4	36.0	(16x0.193) BC	20	0.50	0.181	4.60
HMC0452	3	328	100	92.6	42.0	(16x0.193) BC	20	0.50	0.189	4.80
HMC0453	4	328	100	123.5	56.0	(16x0.193) BC	20	0.50	0.228	5.80
HMC0454	5	328	100	134.5	61.0	(16x0.193) BC	20	0.50	0.248	6.30
HMC0455	6	328	100	156.5	71.0	(16x0.193) BC	20	0.50	0.252	6.40
HMC0456	7	328	100	169.8	77.0	(16x0.193) BC	20	0.50	0.256	6.50
HMC0457	8	328	100	202.8	92.0	(16x0.193) BC	20	0.50	0.283	7.20
HMC0458	10	328	100	249.1	113.0	(16x0.193) BC	20	0.50	0.335	8.50
HMC0459	12	328	100	337.3	153.0	(16x0.193) BC	20	0.50	0.354	9.00
HMC0461	2	328	100	92.6	42.0	(22x0.193) BC	18	0.75	0.209	5.30
HMC0462	3	328	100	130.1	59.0	(22x0.193) BC	18	0.75	0.244	6.20
HMC0463	4	328	100	143.3	65.0	(22x0.193) BC	18	0.75	0.248	6.30
HMC0464	5	328	100	165.3	75.0	(22x0.193) BC	18	0.75	0.264	6.70
HMC0465	6	328	100	196.2	89.0	(22x0.193) BC	18	0.75	0.268	6.80
HMC0466	7	328	100	209.4	95.0	(22x0.193) BC	18	0.75	0.276	7.00
HMC0467	8	328	100	244.7	111.0	(22x0.193) BC	18	0.75	0.299	7.60
HMC0468	10	328	100	306.4	139.0	(22x0.193) BC	18	0.75	0.358	9.10
HMC0469	12	328	100	350.5	159.0	(22x0.193) BC	18	0.75	0.374	9.50
HMC0471	2	328	100	123.5	56.0	(20x0.243) BC	17	1.00	0.240	6.10
HMC0472	3	328	100	160.9	73.0	(20x0.243) BC	17	1.00	0.248	6.30
HMC0473	4	328	100	213.8	97.0	(20x0.243) BC	17	1.00	0.291	7.40
HMC0474	5	328	100	238.1	108.0	(20x0.243) BC	17	1.00	0.311	7.90
HMC0475	6	328	100	264.6	120.0	(20x0.243) BC	17	1.00	0.319	8.10
HMC0476	7	328	100	304.2	138.0	(20x0.243) BC	17	1.00	0.335	8.50
HMC0477	8	328	100	357.1	162.0	(20x0.243) BC	17	1.00	0.370	9.40


BC = Bare Copper • DCR = DC resistance



**PVC LiY(St)CY**

Multicore Cables

500V, 80°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	
<b>80°C • 22 - 14 AWG • Stranded Bare Copper Wire • Overall Alufoil • &gt;65 % Overall Bare Copper Braid (continued)</b>													
<b>PVC Insulation (Color Code: see chart 11, Tech Info Section) • Grey PVC Flame Retardant Jacket</b>													
IEC 332													
Overall Alufoil + Overall 65% BC Braid													
- Survey and data transmission - Check and drive systems - Measure and monitor systems - Interconnection of computer networks and outskirts interface													
													
<b>HMC0479</b>	2		328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.272	6.90	
<b>HMC0480</b>	3		328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.280	7.10	
<b>HMC0481</b>	4		328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.331	8.40	
<b>HMC0482</b>	5		328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.362	9.20	
<b>HMC0483</b>	6		328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.374	9.50	
<b>HMC0484</b>	3		328	100	213.8	97.0	(48x0.243) BC	14	2.50		0.319	8.10	
<b>HMC0485</b>	4		328	100	363.8	165.0	(48x0.243) BC	14	2.50		0.366	9.30	

BC = Bare Copper • DCR = DC resistance

**PVC LIY CY**

Multicore Cables

750V, 80°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**80°C • 24 - 14 AWG • Stranded Bare or Tinned Copper Wire • >80% Overall Bare Copper Braid****PVC Insulation** (Color Code: see chart 11, Tech Info Section) • **Grey Oil Proof and Flame Retardant PVC Jacket**

IEC 332

+ Overall  
80% BC Braid

- Survey and data transmission
- Check and drive systems
- Measure and monitor systems
- Interconnection of computer networks and outskirts interface



HMC0486	1	328	100	33.1	15.0	(8x0.193) BC	24	0.25	0.118	3.00
HMC0487	2	328	100	57.3	26.0	(8x0.193) BC	24	0.25	0.161	4.10
HMC0488	3	328	100	70.5	32.0	(8x0.193) BC	24	0.25	0.173	4.40
HMC0489	4	328	100	79.4	36.0	(8x0.193) BC	24	0.25	0.181	4.60
HMC0490	5	328	100	103.6	47.0	(8x0.193) BC	24	0.25	0.217	5.50
HMC0491	6	328	100	112.4	51.0	(8x0.193) BC	24	0.25	0.220	5.60
HMC0492	7	328	100	127.9	58.0	(8x0.193) BC	24	0.25	0.228	5.80
HMC0493	8	328	100	136.7	62.0	(8x0.193) BC	24	0.25	0.236	6.00
HMC0494	1	328	100	37.5	17.0	(11x0.193) BC	22	0.35	0.122	3.10
HMC0495	2	328	100	72.8	33.0	(11x0.193) BC	22	0.35	0.173	4.40
HMC0496	3	328	100	79.4	36.0	(11x0.193) BC	22	0.35	0.181	4.60
HMC0497	4	328	100	90.4	41.0	(11x0.193) BC	22	0.35	0.193	4.90
HMC0498	5	328	100	114.6	52.0	(11x0.193) BC	22	0.35	0.232	5.90
HMC0499	6	328	100	125.7	57.0	(11x0.193) BC	22	0.35	0.236	6.00
HMC0500	7	328	100	149.9	68.0	(11x0.193) BC	22	0.35	0.240	6.10
HMC0501	8	328	100	174.2	79.0	(11x0.193) BC	22	0.35	0.248	6.30
HMC0502	1	328	100	39.7	18.0	(16x0.193) BC	20	0.50	0.126	3.20
HMC0503	2	328	100	81.6	37.0	(16x0.193) BC	20	0.50	0.185	4.70
HMC0504	3	328	100	94.8	43.0	(16x0.193) BC	20	0.50	0.193	4.90
HMC0505	4	328	100	125.7	57.0	(16x0.193) BC	20	0.50	0.232	5.90
HMC0506	5	328	100	136.7	62.0	(16x0.193) BC	20	0.50	0.252	6.40
HMC0507	6	328	100	158.7	72.0	(16x0.193) BC	20	0.50	0.256	6.50
HMC0508	7	328	100	172.0	78.0	(16x0.193) BC	20	0.50	0.260	6.60
HMC0509	8	328	100	211.6	96.0	(16x0.193) BC	20	0.50	0.287	7.30
HMC0510	10	328	100	251.3	114.0	(16x0.193) BC	20	0.50	0.339	8.60
HMC0511	2	328	100	97.0	44.0	(22x0.193) BC	18	0.75	0.213	5.40
HMC0512	3	328	100	130.1	59.0	(22x0.193) BC	18	0.75	0.248	6.30
HMC0513	4	328	100	145.5	66.0	(22x0.193) BC	18	0.75	0.268	6.80
HMC0514	2	328	100	125.7	57.0	(20x0.243) BC	17	1.00	0.244	6.20
HMC0515	3	328	100	163.1	74.0	(20x0.243) BC	17	1.00	0.252	6.40
HMC0516	4	328	100	216.1	98.0	(20x0.243) BC	17	1.00	0.295	7.50
HMC0517	5	328	100	240.3	109.0	(20x0.243) BC	17	1.00	0.315	8.00

BC = Bare Copper • DCR = DC resistance

**PVC LIY CY**

Multicore Cables

750V, 80°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**80°C • 24 - 14 AWG • Stranded Bare or Tinned Copper Wire • >80% Overall Bare Copper Braid (continued)****PVC Insulation (Color Code: see chart 11, Tech Info Section) • Grey Oil Proof and Flame Retardant PVC Jacket**

IEC 332

+ Overall  
80% BC Braid

- Survey and data transmission
- Check and drive systems
- Measure and monitor systems
- Interconnection of computer networks and outskirts interface



HMC0518	2	328	100	169.8	77.0	(28x0.245) BC	16	1.50	0.276	7.00
HMC0519	3	328	100	207.2	94.0	(28x0.245) BC	16	1.50	0.287	7.30
HMC0520	4	328	100	269.0	122.0	(28x0.245) BC	16	1.50	0.335	8.50
HMC0521	5	328	100	363.8	165.0	(28x0.245) BC	16	1.50	0.386	9.80
HMC0522	2	328	100	231.5	105.0	(48x0.243) BC	14	2.50	0.327	8.30
HMC0523	3	328	100	319.7	145.0	(48x0.243) BC	14	2.50	0.339	8.60

**PVC 07BQ-F**

Multicore Cables

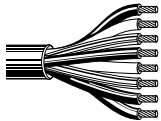
450/750V, 75°C

De- scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		Inch	mm	

**80°C • 17 - 14 AWG • Stranded Bare Copper Wire****PVC Insulation (Color Code: see chart 12, Tech Info Section) • Orange Oil Resistant PUR Jacket**

Unshielded

- Small electrottools
- For mobile tools, not for heavy duty



HMC0524	2	328	100	134.5	61.0	(20x0.243) BC	17	1.00	0.268	6.80
HMC0525	3	328	100	154.3	70.0	(20x0.243) BC	17	1.00	0.272	6.90
HMC0526	4	328	100	216.1	98.0	(20x0.243) BC	17	1.00	0.315	8.00
HMC0527	2	328	100	176.4	80.0	(28x0.245) BC	16	1.50	0.299	7.60
HMC0528	3	328	100	216.1	98.0	(28x0.245) BC	16	1.50	0.323	8.20
HMC0529	4	328	100	297.6	135.0	(28x0.245) BC	16	1.50	0.366	9.30
HMC0530	3	328	100	350.5	159.0	(48x0.243) BC	14	2.50	0.398	10.10

BC = Bare Copper • DCR = DC resistance