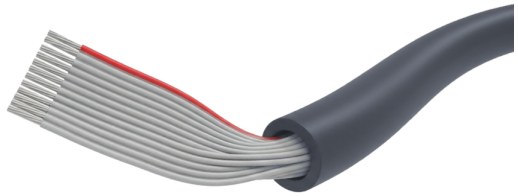
ROUNDFLAT LSZH UNSHIELDED

-20°C to +80°C, 300V



Construction
Conductor: Tinned Copper · Stranded
Core Insulation: Extruded · XLPE
Cabling: Parallel · Flat ribbon core wrapped under common round jacket
Core Identification: Grey ribbon with Red polarity stripe on Core 1
Binder: PET Tape
Jacket: Extruded · LSZH

Thermal Characteristics
Operating Temperature: -20°C to +80°C
Max. Core Insulation Temp.: +105°C (cross-linked inner ribbon)

Electrical Characteristics
Operating Voltage: 300V
Test Voltage: 2000V

Application
Internal Equipment Wiring: For internal wiring of electrical and electronic equipment, subject to the applicable voltage, temperature and installation requirements.
Signal and Control Connections: For signal transmission and control connections within industrial machinery and equipment.
Control Cabinets: For wiring within control cabinets, control panels and electrical assemblies.

General Characteristics
Soldering Heat Resistance: Cross-linked insulation resists melt-back, shrinkage, and deformation during soldering and assembly.
Precision Pitch Accuracy: Tightly controlled conductor-to-conductor spacing ensures reliable one-step IDC mass termination.
Flexibility: Flexible construction facilitates routing, bending and installation where space is limited.

Standards & Approvals
UL 758: UL 758 Appliance Wiring Material, Style 21307 (Style 4478 core).
CSA C22.2 No. 210: cUL Appliance Wiring Material, Class I/II Group A/B.
Halogen-Free: EN 50525-1 Annex B / IEC 60754-1 & IEC 60754-2
Low Smoke: EN 61034-2 / IEC 61034-2

Fire Performance
Fire Retardant: FT2 / IEC 60332-1-2

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.
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casmocable
CABLES FOR EXTREMES

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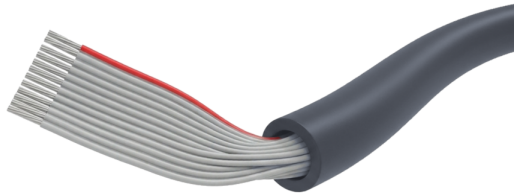

CASMO Part No.	Total Cores	Conductor			Nom. Conductor Pitch (mm)	Nom. Inner Ribbon Width (mm)	Nom. Inner Ribbon Thickness (mm)	Cable			Max. DCR @20°C (Ω/km)
		Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)				Nom. Jkt. Thickness (mm)	Nom. O.D. (mm)	O.D. Tolerance ± (mm)	
1271039F28	9	28	7	0.127	1.27	11.43	0.89	0.80	6.6	0.76	239
12710310F28	10	28	7	0.127	1.27	12.70	0.89	0.80	6.6	0.76	239
12710314F28	14	28	7	0.127	1.27	17.78	0.89	0.80	6.9	0.76	239
12710315F28	15	28	7	0.127	1.27	19.05	0.89	0.80	6.9	0.76	239
12710316F28	16	28	7	0.127	1.27	20.32	0.89	0.80	6.9	0.76	239
12710320F28	20	28	7	0.127	1.27	25.40	0.89	0.80	7.6	0.76	239
12710324F28	24	28	7	0.127	1.27	30.48	0.89	0.80	8.4	0.76	239
12710325F28	25	28	7	0.127	1.27	31.75	0.89	0.80	8.4	0.76	239
12710326F28	26	28	7	0.127	1.27	33.02	0.89	0.80	8.4	0.76	239
12710330F28	30	28	7	0.127	1.27	38.10	0.89	0.80	9.4	0.76	239
12710334F28	34	28	7	0.127	1.27	43.18	0.89	0.80	9.4	0.76	239
12710336F28	36	28	7	0.127	1.27	45.72	0.89	0.80	9.9	0.76	239
12710337F28	37	28	7	0.127	1.27	46.99	0.89	0.80	9.9	0.76	239
12710340F28	40	28	7	0.127	1.27	50.80	0.89	0.80	9.9	0.76	239
12710350F28	50	28	7	0.127	1.27	63.50	0.89	0.80	11.2	0.76	239
12710360F28	60	28	7	0.127	1.27	76.20	0.89	0.80	11.9	0.76	239
12710364F28	64	28	7	0.127	1.27	81.28	0.89	0.80	12.7	0.76	239

Table Notes

1. Inner Ribbon Width = finished flat ribbon width (W = 1.27 × N mm; conductor pitch 1.27 ± 0.05 mm); Nom. O.D. = finished outer jacket diameter.
2. Standard inner ribbon color is Grey with Red Core-1 stripe (GR); custom color sequences and Split/Bond intervals available on request.

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