casmocable
CABLES FOR EXTREMES

XE150-L

-65°C to +150°C, 600V



Construction
Conductor: Tinned Copper
Insulation: Single-layer extruded · XL-ETFE

Thermal Characteristics
Operating Temperature: -65°C to +150°C

Electrical Characteristics
Operating Voltage: 600V
Test Voltage: 2500V (Post-environmental, 60 Hz rms. Spark 5.7 kV rms, 3 kHz. Impulse 8.0 kV peak.)

Application
Light airframe and equipment wire: Lightweight hook-up and airframe wire for aerospace, military and electronic equipment where space and weight are limited.

General Characteristics
Lightweight Thin Wall: Single-wall XL-ETFE keeps diameter and weight low for dense harnesses.
Cut-Through & Abrasion Resistance: Tough crosslinked insulation resists cut-through, abrasion and chafing.
Fluid Resistance: Resistant to aviation fuels, lubricating oils, hydraulic fluids and common solvents.
Soldering Heat Resistance: Non-melting insulation withstands soldering-iron contact.

Standards & Approvals
SAE AS22759/32 Equivalent: Single-wall cross-linked modified ETFE (XL-ETFE) lightweight airframe hook-up wire, 600 V, 150 °C.

RoHS COMPLIANT REACH COMPLIANT

CASMO Part No.	Conductor			Min. Conductor Dia. (mm)	Max. Conductor Dia. (mm)	Cable		Max. DCR @20°C (Ω/km)	Max. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Strand Size (AWG)			Nom. O.D. (mm)	O.D. Tolerance ± (mm)		
XE150-L-30-*	30	7	38	0.28	0.33	0.61	0.05	356	0.98
XE150-L-28-*	28	7	36	0.36	0.41	0.69	0.05	225	1.35
XE150-L-26-*	26	19	38	0.46	0.51	0.81	0.05	135	2.08
XE150-L-24-*	24	19	36	0.58	0.64	0.94	0.05	86	2.98
XE150-L-22-*	22	19	34	0.74	0.79	1.09	0.05	53.1	4.17
XE150-L-20-*	20	19	32	0.94	0.99	1.27	0.05	32.4	6.40
XE150-L-18-*	18	19	30	1.17	1.24	1.52	0.05	20.4	9.67
XE150-L-16-*	16	19	29	1.32	1.40	1.73	0.05	15.8	12.4
XE150-L-14-*	14	19	27	1.65	1.75	2.16	0.08	10.0	19.3
XE150-L-12-*	12	37	28	2.13	2.26	2.62	0.08	6.63	29.3
XE150-L-10-*	10	37	26	2.69	2.87	3.25	0.10	4.13	47.3
XE150-L-8-*	8	133	29	4.01	4.39	4.78	0.20	2.30	87.5

Table Notes

* Replace "*" in part number with insulation color digit 0–9 per MIL-STD-681 (see Color Code Chart below; 9 White preferred).

1. Manufactured to SAE AS22759 (non-QPL); Max. DCR at 20°C and Max. Cable Weight are standard limits.

COLOR CODE CHART					
Cond. #	Color	Cond. #	Color	Cond. #	Color
0	Black	4	Yellow	8	Gray

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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XE150-L

-65°C to +150°C, 600V



COLOR CODE CHART					
Cond. #	**Color**	**Cond. #**	**Color**	**Cond. #**	**Color**
1	Brown	5	Green	9	White
2	Red	6	Blue		
3	Orange	7	Violet		

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