casmocable
CABLES FOR EXTREMES

XE150-P

-65°C to +150°C, 600V



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

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

Electrical Characteristics
Operating Voltage: 600V
Test Voltage: 2500V (Post-environmental, rms. Spark 3.0 kV rms. Impulse 8.0 kV peak.)

Application
General purpose light airframe wire: General purpose airframe and equipment wire for aerospace and military applications.

General Characteristics
Dual-Layer Insulation: Inner and outer XL-ETFE layers are extruded.
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 AS22759/34 Equivalent: Dual-wall cross-linked modified ETFE (XL-ETFE) normal-weight 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-P-26-*	26	19	38	0.44	0.49	0.88	0.04	135	2.26
XE150-P-24-*	24	19	36	0.57	0.61	1.00	0.04	86	3.17
XE150-P-22-*	22	19	34	0.72	0.76	1.16	0.04	53.1	4.55
XE150-P-20-*	20	19	32	0.93	0.98	1.37	0.04	32.4	6.80
XE150-P-18-*	18	19	30	1.15	1.21	1.61	0.05	20.4	10.3
XE150-P-16-*	16	19	29	1.31	1.37	1.80	0.05	15.8	12.9
XE150-P-14-*	14	19	27	1.64	1.71	2.18	0.06	10.0	19.8
XE150-P-12-*	12	37	28	2.10	2.20	2.66	0.07	6.63	30.2
XE150-P-10-*	10	37	26	2.67	2.77	3.28	0.10	4.13	47.8
XE150-P-8-*	8	133	29	4.01	4.29	4.98	0.18	2.30	89.1
XE150-P-6-*	6	133	27	5.03	5.38	6.15	0.23	1.46	141
XE150-P-4-*	4	133	25	6.35	6.81	7.90	0.28	0.919	229
XE150-P-2-*	2	665	30	8.13	8.64	9.73	0.36	0.600	357
XE150-P-1-*	1	817	30	9.14	9.65	10.77	0.36	0.499	433
XE150-P-0-*	1/0	1045	30	10.03	10.80	11.84	0.43	0.381	545
XE150-P-00-*	2/0	1330	30	11.18	12.07	13.33	0.51	0.299	716

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.

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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-65°C to +150°C, 600V



COLOR CODE CHART					
Cond. #	**Color**	**Cond. #**	**Color**	**Cond. #**	**Color**
0	Black	4	Yellow	8	Gray
1	Brown	5	Green	9	White
2	Red	6	Blue		
3	Orange	7	Violet		

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