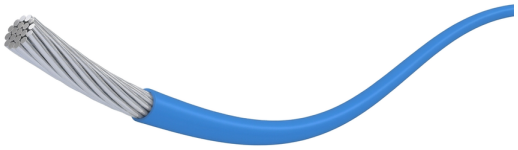
casmocable
CABLES FOR EXTREMES

NEMA HP 3 TYPE ET

-65°C to +200°C, 250V



Construction
Conductor: Silver Plated Copper or Nickel Plated Copper
Insulation: Extruded · PTFE

Thermal Characteristics
Operating Temperature: -65°C to +200°C
Conductor Plating Temperature Rating: Silver-Plated Copper (SPC): -65°C to +200°C · Nickel-Plated Copper (NPC): -65°C to +260°C

Electrical Characteristics
Operating Voltage: 250V

Application
High-Reliability Equipment Wiring: Internal wiring for electrical and electronic equipment per ANSI/NEMA HP 3-2012 Type ET (ex. MIL-W-16878/6).

General Characteristics
Zero Solder Melt-Back: High-purity fluoropolymer insulation resists soldering iron heat without shrink-back or melting.
Fluid & Chemical Inertness: Resists fuels, lubricants, hydraulic fluids, oils, acids, alkalis, and industrial solvents.
Low Dielectric Loss: Stable low dielectric constant and dissipation factor support clean high-frequency and signal transmission.

Standards & Approvals
ANSI/NEMA HP 3: PTFE-insulated high-temperature hook-up wire, TYPE ET (thin wall, 250 V).
MIL-W-16878/6 (Superseded): Former military specification superseded by NEMA HP 3 TYPE ET.

RoHS COMPLIANT REACH COMPLIANT

CASMO Part No.	Conductor						Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Strand Size (AWG)	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Max. Conductor Dia. (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
HP3ET-XBAA*	32	1	32	0.203	0.203	0.211	0.406	0.559	544.62	0.74
HP3ET-XBAB*	32	7	40	0.079	0.236	0.259	0.508	0.61	557.74	0.74
HP3ET-XBAE*	32	19	44	0.051	0.239	0.292	0.508	0.61	515.09	0.74
HP3ET-XBBA*	30	1	30	0.254	0.254	0.262	0.508	0.61	347.77	1.04
HP3ET-XBBB*	30	7	38	0.102	0.305	0.328	0.559	0.66	328.08	1.04
HP3ET-XBBE*	30	19	42	0.064	0.3	0.356	0.559	0.66	323.49	1.04

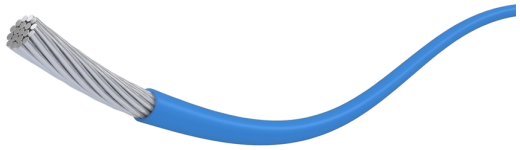
Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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CASMO Part No.	Conductor						Cable		Max. DCR @20°C (Ω/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Strand Size (AWG)	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Max. Conductor Dia. (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
HP3ET-XBCA*	28	1	28	0.32	0.32	0.33	0.584	0.686	218.83	1.49
HP3ET-XBCB*	28	7	36	0.127	0.381	0.404	0.635	0.737	208.66	1.49
HP3ET-XBCE*	28	19	40	0.079	0.371	0.432	0.635	0.737	207.02	1.49
HP3ET-XBDA*	26	1	26	0.404	0.404	0.417	0.66	0.762	137.47	2.98
HP3ET-XBDB*	26	7	34	0.16	0.48	0.503	0.737	0.838	130.25	2.98
HP3ET-XBDE*	26	19	38	0.102	0.478	0.546	0.737	0.864	122.38	2.98
HP3ET-XBEA*	24	1	24	0.511	0.511	0.526	0.762	0.864	85.96	4.46
HP3ET-XBEB*	24	7	32	0.203	0.61	0.632	0.864	0.965	80.38	4.46
HP3ET-XBEE*	24	19	36	0.127	0.597	0.673	0.864	0.991	77.43	4.46
HP3ET-XBFA*	22	1	22	0.643	0.643	0.663	0.889	1.016	54.13	4.46
HP3ET-XBFB*	22	7	30	0.254	0.762	0.785	1.016	1.118	51.18	4.46
HP3ET-XBFE*	22	19	34	0.16	0.752	0.838	1.016	1.168	48.56	5.95
HP3ET-XBGA*	20	1	20	0.813	0.813	0.838	1.067	1.168	33.79	7.44
HP3ET-XBGB*	20	7	28	0.32	0.96	0.988	1.219	1.321	32.19	7.44
HP3ET-XBGE*	20	19	32	0.203	0.955	1.054	1.219	1.321	29.86	7.44

Table Notes

* Part numbers shown represent extruded PTFE (X) insulation and silver-plated copper conductor (B). Replace "*" with color digit 0–9 per the Color Code Chart below.

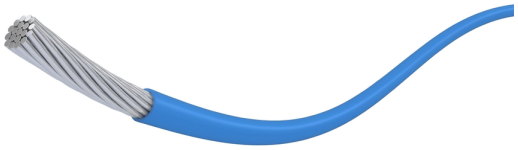
1. Conductor diameter and overall O.D. limits per ANSI/NEMA HP 3; Max. DCR is stated for silver-plated copper (SPC) at 20°C; cable weight is nominal reference value.

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NEMA HP 3 TYPE ET

-65°C to +200°C, 250V



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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