

Hardened Category Cable Assemblies with Ground Wire



Overview

PPC's Hardened Category Cable Assemblies are designed for reliable performance in harsh environments. Their integrated ground wire eliminates the need to run a separate ground wire, reducing installation time. These assemblies are offered with strain relief boots on one end or both ends. The single-ended strain relief assembly is an ideal choice when the RJ45 connector must be installed into an IP-rated protection housing. These assemblies are designed for connecting outdoor ethernet applications such as wireless access points, antennas, radios, and POE powered devices.



Technical Data

Cable Specifications

Shielding	Electrical Performance	Maximum Operating Voltage	Applicable Standards
Aluminum Foil-Polyester Tape	Category 6A	300 V RMS (600 V AWM Rated)	ANSI/TIA-568-C.2, ISO/IEC 11801, Ethernet/IP(tm) Specification, UL 1666 Riser CMR-CMX

Connector Specifications

Sealing	Connector Interface	Shielding	Electrical Performance	Maximum Operating Voltage	Applicable Standards
Suitable for IP20	IEC 60603-7	Hard Brass - Nickel plated	Category 6A	300 V RMS	ANSI/TIA-568-C.2, ISO/IEC 11801, Ethernet/IP Specification

Assembly Specifications

Electrical Performance	Maximum Operating Voltage	Temperature Range			Applicable Standards
		Storage	Installation	Operation	
Category 6A	300 V RMS (600 V AWM Rated)	-20 °C to 75 °C -4 °F to 167 °F	0 °C to 50 °C 32 °F to 122 °F	-20 °C to 75 °C -4 °F to 167 °F	ANSI/TIA/EIA-568-C.2, ISO/IEC 11801, UL 1863 and CSA-22.2 No. 233

Jacket/Ground Wire Specifications

Material	Nominal Size	Ground Wire
UV Resistant PVC - Polyvinyl Chloride	8.3mm (0.325") x 11.6mm (0.455")	17AWG Copper Clad Steel, 2.8mm (0.111") Insulation Diameter

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Ordering Information

Part Number		Description
Strain Relief Boot on Both Ends	Strain Relief Boot on One End Only	
JCAG17XBLK005	JCAG17XOBLK005	Hardened Category Cable with Ground, Black, 1.5 m (5 ft)
JCAG17XBLK010	JCAG17XOBLK010	Hardened Category Cable with Ground, Black, 3.0 m (10 ft)
JCAG17XBLK015	JCAG17XOBLK015	Hardened Category Cable with Ground, Black, 4.6 m (15 ft)
JCAG17XBLK020	JCAG17XOBLK020	Hardened Category Cable with Ground, Black, 6.1 m (20 ft)
JCAG17XBLK025	JCAG17XOBLK025	Hardened Category Cable with Ground, Black, 7.6 m (25 ft)
JCAG17XBLK030	JCAG17XOBLK030	Hardened Category Cable with Ground, Black, 9.1 m (30 ft)
JCAG17XBLK040	JCAG17XOBLK040	Hardened Category Cable with Ground, Black, 12.2 m (40 ft)
JCAG17XBLK050	JCAG17XOBLK050	Hardened Category Cable with Ground, Black, 15.2 m (50 ft)
JCAG17XBLK060	JCAG17XOBLK060	Hardened Category Cable with Ground, Black, 18.3 m (60 ft)
JCAG17XBLK070	JCAG17XOBLK070	Hardened Category Cable with Ground, Black, 21.3 m (70 ft)
JCAG17XBLK080	JCAG17XOBLK080	Hardened Category Cable with Ground, Black, 24.4 m (80 ft)
JCAG17XBLK090	JCAG17XOBLK090	Hardened Category Cable with Ground, Black, 27.4 m (90 ft)
JCAG17XBLK100	JCAG17XOBLK100	Hardened Category Cable with Ground, Black, 30.5 m (100 ft)

*EU Directive 2002/95/EC (RoHS) Compliance, EU RoHS Compliance Date (01/01/2006), MII Order #39 (China RoHS) Compliance

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