HYBRID CABLE 2X12 AWG WITH ARAMID YARNS – PE - DATASHEET

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HYBRID FIBER OPTIC CABLE POWERED WITH 2x12 AWG CONDUCTORS WITH ARAMID YARNS PE



DESCRIPTION

barpa's Hybrid Fiber Optic Cable with 12 AWG copper conductors is engineered to deliver reliable power to remote devices such as CCTV cameras while simultaneously providing high-speed data transmission through single-mode optical fibers over long distances. Designed to combine power and data in a single cable, it offers robust mechanical durability and optimized performance for demanding outdoor environments.



1. Colored Coating Fiber
2. Filing Gel
3. Loose Tube
4. Conductor
5. Water-swellable Tape and Yarn
6. Strength Member
7. Rip-Cord
8. Filling
9. Outer Jacket

CE · OUTDOOR · CONDUCT · CABLE TRAY · UNDER-GROUND · 25 YEARS WARRANTY · PE

APPLICABLE STANDARDS

• IEC 60228 • IEC 60794-3-12 • IEC 60794-1-21 • IEC 60794-1-22
• IEC 60332-1-2 • EN 50525-1 • ANSI/TIA 598-D • DIN 47100
• Directive 2011/65/EU (RoHS)

CABLE PROPERTIES

Coating Fiber	Color	1 – Blue
		2 – Orange
		3 – Green
		4 – Brown
		5 – Grey
		6 – White
		7 – Red
		8 – Black
		9 – Yellow
		10 – Violet
		11 – Pink
		12 – Aqua
Strength Member	Material	Aramid Yarn
Outer Sheath	Material	1,35mm; High Density Polyethylene (HDPE), UV resistant
	Color	Black (RAL 9005)
	Marking	(code) barpa Hybrid FO (AWG) (voltage rating) (strength member) (CPR class) (fiber category) (No of fibers)F (batch no.) (meters)m
Water Blocking		Water-swellable Yarn and Tape
Filling		Halogen-free
Copper Conductor Count		2
Copper Conductor Cross Section		4mm², 12 AWG
Copper Coating Color		White & Brown
Copper Conductor Insulation Material		Polyvinyl Chloride (PVC)
Ripcord		Yes

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