

# CABO HÍBRIDO 2X12 AWG ARAMIDA – PE - FICHA TÉCNICA

*Posted on 19-11-2025 by barpaadminuser*





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

DESCRIPTION

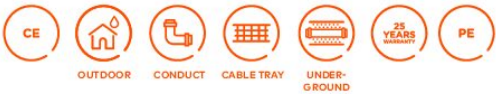
barpa's Hybrid Fiber Optic Cable with 12 AWG copper conductors is engineered to deliver reliable power to remote devices such as CCTV cameras while simultaneously providing high-speed data transmission through single-mode optical fibers over long distances. Designed to combine power and data in a single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

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)



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



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                                                                                                                        |
|                                      | Material | 1,35mm; High Density Polyethylene (HDPE), UV resistant                                                                             |
| Outer Sheath                         | 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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