PRODUCT DATASHEET

HB012-F-02U2-S4F20

Screened Hybrid Cable, 2 x 14 AWG pair power cable and 8 x singlemode optical fibers

A hybrid cable designed to transmit both electrical power and optical signals in a single cable.
Four electrical power conductors and two fibre optic sub units, each containing four bend insensitive singlemode fibers surround a non metallic strain member.
LSZH UV stable jacket ensures long term operation in outdoor applications.
The fully circular construction ensures that the cable can be efficiently installed in conventional trays or ducting systems.
A corrugated aluminium screen ensures a 100% screen, enabling this cable to be installed in data and power cable ducts

Features / Benefits

- Circular construction prevents snagging during installation
- Bend insensitive optical fiber
  simplifies installation and termination
- Singlemode fiber provides the ultimate future proof support for high bandwidth services
- Corrugated screen provides the ultimate cable routing flexibility
- Suitable for Indoor/outdoor applications

Technical Features

STRUCTURE

Cable Type	Hybrid
Number of Fiber	2 x 4
Number of DC Pairs	2
Jacket Material	LSZH

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	14.8mm (0.583in)
Minimum Bending Radius	185mm (7.283in)
Minimum Bending Radius	370mm (14.567in)
Recommended / Maximum Clamp Spacing	0.6 / 1 (2 / 3.25)
Tensile Strength (Operating)	600 N
Jacket Material	LSZH
Tensile Strength (Installation)	1500 N
Crush Resistance (Operating)	300 N/100mm
Crush Resistance (Installation)	1000 N/100mm

DC POWER CABLE SPECIFICATIONS

Cross Section of Power Cable	2.08 mm^2 (14 AWG)

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ARMOR SPECIFICATIONS

Armor Type	Aluminum Tape

F/O CABLE SPECIFICATIONS

F/O Cable Type	Tight-Buffer : 2 sub units, 4 fibres each
Number of F/O Pairs	4
Core/Clad	9 /125
F/O Standards (Meets or Exceeds)	ITU G 657.A2
Fiber Attenuation	≤ 0.4 dB/km at 1310 nm; ≤ 0.3 dB/km at 1550 nm dB/km

TESTING AND ENVIRONMENTAL

Storage Temperature	-20°C to 80°C (-4°F to 176°F)
Operation Temperature	-20°C to 80°C (-4°F to 176°F)
Installation Temperature	-20°C to 50°C (-4°F to 122°F)
Jacket Specifications	IEC 60332-1