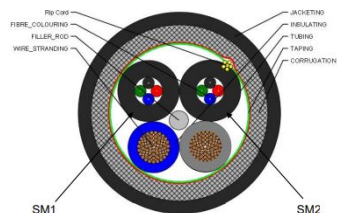


**HB012-S-06U1-S4J20**

Screened Hybrid Cable, 1 x 6mm<sup>2</sup> 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.

Two electrical power conductors and two fibre optic sub units, each containing four bend insensitive singlemode fibers surround a non metallic strain member.

A polyethylene 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

### Feature / 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
- Water penetration (no leakage) up to 1m/24h optical core
- Suitable for Indoor/outdoor applications

## Technical features

## STRUCTURE

<b>Cable Type</b>	Hybrid : 2 x 6mm <sup>2</sup> & 8 x SMF screened
<b>Size</b>	1/2"
<b>Fire Performance</b>	Halogen free IEC60754-1/-2 CPR: BS EN13501-6:2014 class B2ca, s1a, d1, a2

## MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	15.8mm (0.622in)
Cable Weight	0.235kg/m (0.158lb/ft)
Minimum Bending Radius	63mm (2.49in)
Minimum Bending Radius	126mm (4.98in)
Tensile Strength	300N (73lb)
Recommended / Maximum Clamp Spacing	0.6 / 1 (2 / 3.25)
Tensile Strength (Installation)	1800 (397) IEC60794-1-2 E3
Crush Resistance (Operating)	2000

**HB012-S-06U1-S4J20**Screened Hybrid Cable, 1 x 6mm<sup>2</sup> pair power cable and 8 x singlemode optical fibers**DC POWER CABLE SPECIFICATIONS**

Number of DC Pairs	1
Maximum DC-Resistance Power Cable	3.3ohm/1000 m (1.51ohm/1000 ft)
Cross Section of Power Cable	6 mm <sup>2</sup> (10 AWG)
DC Wire Information	84 x 0.30 PAC (Class 5)
DC Wire Jacket Material	UV stable blue and white XLPE
DC Wire Jacket Thickness	0.5mm (0.02in)
DC Cable Diameter	4.4mm (0.173in)
DC Standards (Meets or Exceeds)	IEC 60228

**CABLE JACKET**

UV-Protection Individual and External Jacket	EN 50290 2 24
Jacket Material	Halogen free IEC 60754-1/2

**ARMOR SPECIFICATIONS**

Armor Type	Corrugated Aluminum tube
Maximum DC-Resistance of Armor	2.42ohm/1000 m (0.74ohm/1000 ft)

**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
Cable Diameter mm (in)	4.8mm (0.19in)
F/O Cable Jacket	250 acrylate
F/O Standards (Meets or Exceeds)	ITU G 657.A2
Fiber Attenuation	≤ 0.4 dB/km at 1310 nm; ≤ 0.25 dB/km at 1550 nm dB/km

**TESTING AND ENVIRONMENTAL**

Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operation Temperature	-40°C to 85°C (-40°F to 185°F)
Installation Temperature	-20°C to 50°C (-4°F to 122°F)

**Related Documents****Power and Fiber: Our Unique Advantages**  
Value Propositions