

Micro Hybrid Aerial ADSS Cable

Hybrid Fibers G657A1 + Power Wires 8x1.5 mm2

Features

- Aerial self supporting
- 48 fibers and 8 copper wires 1.5 mm2
- Excellent installation performance
- Unique design with robust inner tubes
- Temperature range from -40 to +70 °C
- Easy to prepare and identify fibers



Application

Hexatronic Micro Hybrid Aerial ADSS Cable is a part of our Hexatronic Powered Fiber System, enabling aerial installations of power feeding and optical fibers. The System is suitable for all types of metropolitan, rural access networks and backbone network with need of remote powering active devices. Media Switches for PoE devices as Surveillance cameras, WiFi Access or 4G, 5G devices powered by 48 Vdc and fiber. Hexatronic Powered by 110Vdc to terminals with integrated DC-DC power units.

Design

The Micro Hybrid Cables are designed with inner protective tubes made of a unique Polyamide compound. The Polyamide gives a special strength to the product, while increasing the bending properties as well as other benefits such as extreme temperature resistance. Including 8 power wires to enable ELV power feeding. Above the inner jacket of polyethylene a layer of aramid yarns are applied to enable the strength for areial installations. Above is an outer jacket of Polyethylene applied.

Suitable fittings for areial installations and additional supporting products are noted. Enables a complete system for areial installation in many different topologies. The unique cable design with an extended operational temperature range of -40 to +70 °C can be used in many environments where heat and cold are often a major concern.

Product Information

1 Primary coated fiber: Silica, acrylate

2 Loose tube: PA

3 Copper wire: Copper wire strand class 5

4 Insulation: PP

5 Central strength member: Glass fiber reinforced plastic, PE

6 Slit up yarn: Aramide yarn

7 Wrapping: Water blocking yarns8 Inner sheath: Polyethylene, black9 Strength member: Aramid yarns

10 Sheath: Polyethylene, black

Technical Information

Product Color Black sheath

Color Code STDE

Temperature, Operation [°C] -40 to +70



Temperature, Storage [°C] -40 to +70

Temperature, Installation [°C] -15 to +50

Water Blocking Length water blocking according to IEC 60794-1-2-F5B

Fiber Type G657A1

Attenuation @Wavelength [nm] 1310/1550/1625

Average Attenuation [dB/km] 0.36/0.22/0.25

Maximum Attenuation [dB/km] 0.38/0.25/0.30

Conformance Length water blocking according to IEC 60794-1-2-F5B.

Mechanical and environmental test in accordance with IEC

60794-5-10

Fiber parameters and tests according to the IEC series

60793-2 and 60793-1

Power wires tested according to EN 50288-7:2005 in

applicable parts

Certifications CE

Technical Notes Power wires

Rated voltage: max 110 Vdc

Rated current: 1 pair / 2 pair-4 pair max 6/10A

Resistance (single): 13 ohm/km

Resistance (Loop, all pairs bridged): 6.5 ohm/km

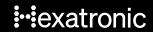
Dielectric strength cond.-cond: 2000 Vdc 1 min

Ordering Information Supplied lengths: 3km

Technical Details



StdE Color Code Chart



Articles 1

