

# SKYSAPIENCE OEM TYPE 20 HYBRID & COMPOSITE CABLES P/N 4T0YA203G4

DEFENSE

## Applications

Control and audio applications, Harsh environments, Portable use and repeated flexing, Short-range, low-frequency signals



Outer Jacket Material  
XLPE



Outer diameter  
4.6 mm nom.



Weight  
32 kg/km



## General Construction

The cable contains:

Two - 0.5 mm<sup>2</sup> insulated wires

One - Gel filled FO tube consisting of two MM fibers and four SM fibers cabled

One - 28AWG grounding wire

All are cabled together, aramid yarns braid reinforced and jacketed

## Design & Materials

### Detailed Schematic

\* Tensile forces are defined for the use of the right and fitted anchor device.

### Sub Unit Construction

0.5 mm<sup>2</sup> Power wires  
 Conductor: Stranded tinned copper 19x0.2mm  
 Insulation: ETFE, 1.6 mm nom.  
 Color code: Red, Black  
 F.O Cable  
 Two - MM 50/125/250 Micron fibers OM-2  
 Color code: Blue, Orange  
 Four - SM fibers per G657-A2  
 Color code: Green, Brown, Gray, White  
 Water blocking GEL filled  
 Tube material: PBT 1.6mm  
 Color: Blue  
 28 AWG Grounding wire  
 Conductor: Stranded tinned copper, 19x0.8 mm  
 Insulation: ETFE, 0.7 mm nom.  
 Color code: Yellow

Strength Elements

Aramid Yarns

Number Of Fibers

6

Outer Jacket Color

Light Gray With Blue Stripe

Marking

Per request

## Electrical Properties

0.5 mm<sup>2</sup> conductors (20°C)

DC Resistance: 35Ω/km

Dielectric strength: 7500VRMS/ 5min

Current rating: 6A

Operating voltage:

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- \* Short term: 3000V
- \* Long term: 2000V
- 28 AWG conductors (20°C)
- DC Resistance: 210 Ω/km
- Dielectric strength: 1000VRMS/1min

**Performance**

Max. Installation Tensile Load (N max.)	1000
Max. Residual Tension (MRS) (N max)	600
Min. Bend Radius (mm)	8xD
Min. Installation Temperature (°C)	-10
Max. Installation Temperature (°C)	+50
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+70
Min. Storage Temperature (°C)	-45
Max. Storage Temperature (°C)	+75
UV Resistance	Yes

**Standards**

Applicable Standards  
 RoHS 3 2015/863/EU



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