

(19x1.0 mm² + 6x2.5 mm² + 12x62.5/125 μm) Combined Control Cable with TPU Jacket

HYBRID & COMPOSITE CABLES

P/N 984618P104

DEFENSE

Applications

Indoor, audio applications



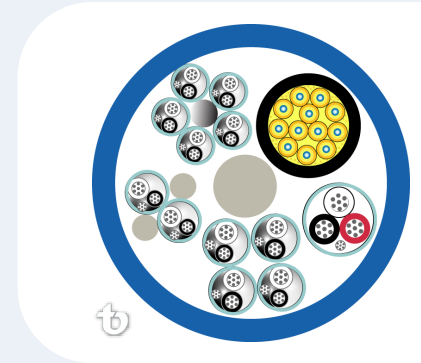
Outer Jacket Material
TPU HFFR



Outer diameter
36.0 mm nom.



Weight
1245 kg/km



General Construction

The cable contains:

1 - 5x2x1.0 mm² XLPE insulated, each pair individual shielded with polyester/copper tape + 20 AWG TC flexible drain wire. The 5 pairs are cabled to a core.

1 - 3x1.0 mm² XLPE insulated polyester/copper shielded triad + 20 AWG TC flexible drain wire

1 - (2x2x1.0 mm² + 2x2x2.5 mm² XLPE insulated) each pair polyester/copper shielded + 20 AWG TC flexible drain wire, pairs are cabled to a core.

1 - 2 x(1.0 mm² +2.5 mm² XLPE insulated) each pair polyester/copper shielded + 20 AWG TC flexible drain wire, pairs are cabled to a core.

1 - Tactical Fiber optic cable , contains 12 optical fibers each reinforced and protected by aramid strength yarns and jacketed with a UV-resistant PU mini cable.

All cores are cabled together and jacketed with a TPU compound.

The cable has excellent resistance to abrasion, oils and chemicals.

Design & Materials

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Detailed Construction

2.5 mm² Wires :

Conductor: Stranded tinned copper, 49x0.25 mm
Insulation XLPE 3.2 mm nom. OD
Total Number of Wires: 6
DC Resistance: 8.0 Ω/Km max. @ 20°C
L/R Ratio Wire: 180.85 uH/Ω
Inductance Wire: 1.32 uH/m nom.
Inductance Pair: 0.56 uH/m nom.
Capacitance Pair: 65.42 pF/m nom @ 1 KHz nom.

1.0 mm² Wires :

Conductor: Stranded tinned copper, 32x0.20 mm
Insulation XLPE, 2.45 mm nom. OD
Total Number of Wires: 19
DC Resistance: 18.5 Ω/Km max.
L/R Ratio Wire: 80.57 uH/Ω
Inductance Wire: 1.4 uH/m nom.
Inductance Pair: 0.63 uH/m nom.
Capacitance Wire: 202.12 pF/m nom @ 1 KHz nom.

5x2x1.0 mm² Core

Total number of pairs: 5
Color Code: Black x White, numbered: 1, 2, 3, 4, 5

3x1.0 mm² Core

Total number of triads: 1
Color Code: Black x White x Red, numbered: 12

2x(2x1.0 mm²) + 2x(2x2.5 mm²) Core

Total number of pairs: 4
Total number of 2x1.0 mm² pairs: 2
Color Code : Black x White numbered 9, 11

Total number of 2x2.5 mm² pairs: 2
Color Code : Black x White numbered 8, 10

2x(1.0 mm² + 2.5 mm²) Core

Total number of pairs: 2
Color Code : Black x White numbered 6, 7

Fiber optic cable :

Fiber : 62.5/125 μm, Graded Index Multimode.
Insulation : Polyester Elastomer , 0.9 mm Buffer
Total number of fibers : 12
Color code : Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Turquoise

Outer Diameter (mm nom)	36.0
Outer Jacket Thickness (mm nom)	3.0
Outer Jacket Color	Blue
Marking	Per request
Outer Jacket Material	TPU HFFR

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Performance

Dielectric Strength to Shield (V/minute)	500
Min. Insulation Resistance (MΩ•km)	1
Min. Bend Radius (mm)	230
Min. Operating Temperature (°C)	-40C
Max. Operating Temperature (°C)	+90C

Standards

Flammability Rating
IEC 60332-1
UL 1581 VW-1

Applicable Standards
RoHS 3 2015/863/EU



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Version 1.5 | Last update: 2013-03-17