HF Pair cables TEL 301 8002

ELEQFQBU/100

Features

- Impedance 100 ohm
- Signal wire
- Double screened for severe radio interference
- Cable size 2 pair as standard
- UL listed
- Halogen-free design
- ROHS compliant

Application

Intended for indoor use in transmission systems. Ideally suited for T1 transmission applications in radio base stations.

The pair cable is a 100 ohm halogen-free version with individually screened and jacketed pairs. Screened with a common tinned copper braid and covered with a jacket of halogen-free compound.

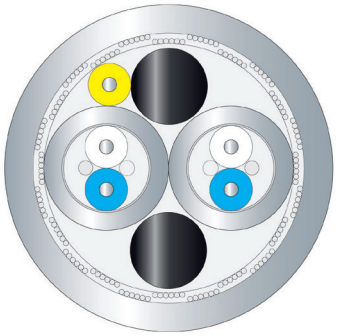
Signal wire included for e.g. active identification.

LISTED E194530

Cable design

- *Conductor* ..... solid tin-plated copper wire ..... Ø 0.4 mm
- *Insulation* ..... solid polyethylene
- *Pair* ..... colored white - blue.
- *Drain wire* ..... tinned copper wire ..... Ø 0.4 mm
- *Pair screen* ..... aluminum foil.
- *Pair jacket* ..... flame retardant halogen free thermoplastic compound. Marked with a sequence number 1 – 2.
- *Signal wire* ..... polyethylene insulated copper wire ..... Ø 0.4 mm
- *Filler* ..... plastic filler, black
- *Lay up* ..... two screened and jacketed pair cables concentric stranded with fillers and signal wire. *Figure 1*
- *Wrapping* ..... plastic tape
- *Screen* ..... braid of tinned copper wires.
- *Jacket* ..... flame retardant halogen free thermoplastic compound.

Figure 1



General data

Operating voltage .. 100 V
Operating temp ..... –20 to +75 °C
Bending radius ..... 40 mm (min)
Flame resistance .. IEC 60332-3- 24,
UL 444 CMR
Halogen free ..... IEC 60754-2
Marking on jacket .. manufacturer, year and week of manufacture,
Ericsson product No., UL marking and length marking
Color ..... Grey

Electrical data

Resistance ..... 153 ohm/km (max)
Impedance ..... 100±15 ohm
Attenuation ..... 4.2 dB/100m at 1 MHz (max)

Order information

Product number	Delivery length/ drum	Cable Diam. mm	Net weight kg/100m
TEL 301 8002/002	500 m/K6	8.8	10.0

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