

HF Pair cables

TEL 301 6032



Application

Intended for indoor use in transmissions systems. The cable is foamskin polyolefin insulated, pair twisted screened by an aluminum foil and braid. Overall a jacket of halogen free compound is applied. Ideally suited for E1 transmission applications

Features

- Impedance 120 ohm
- Compact design
- Screened by an aluminum foil and copper braid
- Halogen free design
- Cable sizes 1 to 16 pair as standard
- ROHS compliant
- UL listed



LISTED E194530

Cable design

- *Conductor*.....solid tin-plated copper wire.....Ø 0.4 mm
- *Insulation*.....Foamskin polyolefin
- *Pair*.....twisted pairs, TEL 301 6032/4 quad.
- *Lay up*.....1-16 pair: concentrically stranded pairs in one unit. *Figure 1*
TEL 301 6032/4 *figure 2*
- *Wrapping*.....plastic tape
- *Drain wire*.....tinned copper wire Ø 0.4 mm
- *Screen*.....aluminum foil and braid of tinned copper wires.
- *Jacket*.....flame retardant halogen free thermoplastic compound.

Figure 1

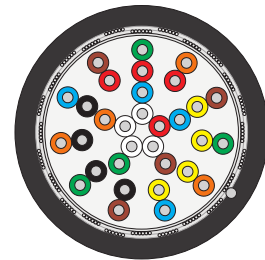
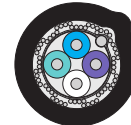


Figure 2



General data

- Operating voltage*.....100 V
- Operating temp*.....-20 to +75 °C
- Bending radius*.....6x diam. (min)
- Flame resistance*.....IEC 60332-3- 24,
UL 444, rating according to table 1
- Halogen free*.....IEC 60754-2
- Marking on jacket*.....manufacturer, year and week of
manufacture, Ericsson product No., UL
marking and length marking
- Color*.....Black

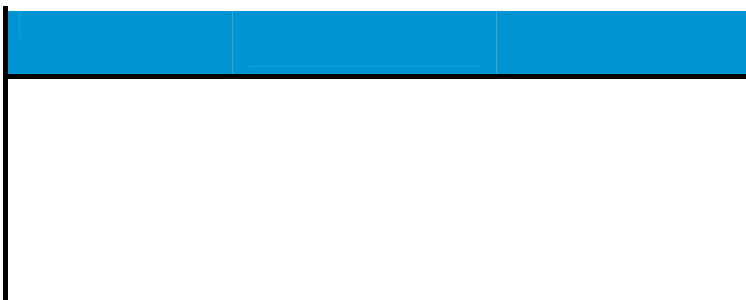
Electrical data

- Frequency range*.....Specified to 10 MHz
- Resistance*.....153 ohm/km (max)
- Impedance*.....120±15 ohm
- Attenuation*.....according to table 1
- Near end crosstalk loss*.....52 dB at 1 MHz
- Transfer impedance*.....10 mohm/m (30 MHz)



Color code 1, 4 – 16 pair

Pair No.	Color of core	
	A-core	B-core
1	white	blue
2	white	orange
3	white	green
4	white	brown
5	red	blue
6	red	orange
7	red	green
8	red	brown
9	black	blue
10	black	orange
11	black	green
12	black	brown
13	yellow	blue
14	yellow	orange
15	yellow	green
16	yellow	brown



Color code TEL 301 6032/4

Pair No.	Color of core	
	A-core	B-core
1	white	blue
2	turquoise	violet