HF Pair cable TEL 301 6034

ELAFQB/100

Features

- Impedance 100 ohm
- Rated to 10 MHz
- Screened by an aluminum foil and braid
- Compact design
- Cable size 64 pair
- Conductor 0.4 mm, 26 AWG
- Halogen-free design
- ROHS compliant

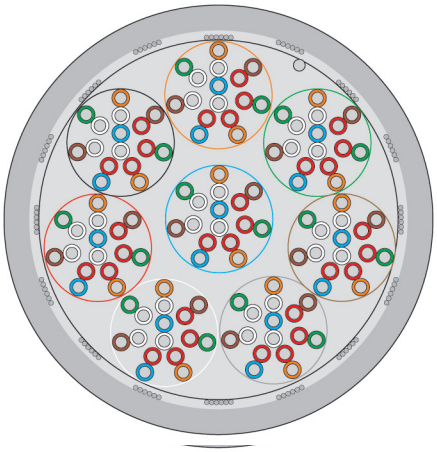
Application

Intended for indoor use in transmission systems. Ideally suited for XDSL transmission applications.

The cable is polyolefin insulated, pair twisted and jacketed with a halogen-free compound.

Cable design

- *Conductor* solid bare copper wire Ø 0.4 mm
- *Insulation* solid polyolefin
- *Pair* twisted pairs
- *Unit* 8 pair stranded into a unit with color coded binder
- *Lay up* *64 pair:* concentric stranded with 8 pair units.
- *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.



General data

Operating voltage 100 V
Operating temp –20 to +75 °C
Bending radius 6x diam. (min)
Flame resistance IEC 60332-1-2
Halogen free IEC 60754-2
Marking on jacket year and week of manufacture, Ericsson product No. and length marking
Color Grey

Electrical data

Rated to 10 MHz
Resistance 153 ohm/km (max)
Capacitance 52 pF/m
Impedance 120±15 ohm at 150 kHz
100±15 ohm at 1 MHz
Attenuation 1.4 dB/100 m max at 150 kHz
3.1 dB/100 m max at 1 MHz
Near end crosstalk loss 52 dB at 1 MHz
ELFEXT 51 dB at 1 MHz
Transfer impedance 10 mohm/m at 30 MHz

Color code

Unit No	Pair No.	Color of core A-core	B-core	Identification color of unit
1	1	White	blue	Blue
	2	White	orange	
	3	White	green	
	4	White	brown	
	5	Red	blue	
	6	Red	orange	
	7	Red	green	
	8	Red	brown	
2	9 - 16	See unit 1		Orange
3	17 - 24	See unit 1		Green
4	25 - 32	See unit 1		Brown
5	33 - 40	See unit 1		Grey
6	41 - 48	See unit 1		White
7	49 - 56	See unit 1		Red
8	57 - 64	See unit 1		Black

Order information

Product number	Number of pairs x conductor diam	Delivery length/ drum	Cable Diam. mm	Net weight kg/100 m
TEL 301 6034/064	64x2x0.4	500 m/K8	14.5	25

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