VHF Pair cable, TEL 301 6029

EMAFQBU/100 SF/UTP 28 AWG CAT 5e version

Features

- Impedance 100 ohm
- Screened by an aluminum foil and copper braid
- Cable size 3 and 4 pair
- 1000 base-T - 40 m
- Conductor size 28 AWG, 0.32 mm
- Modified CAT 5e version 28 AWG EIC verified
- ROHS compliant
- Halogen-free design
- UL listed

Application

SF/UTP cable designed for installation in structured networks indoors, interconnecting data and telecom system.
The cable is polyolefin insulated, pair twisted and screened by an aluminum foil and braid. Overall a jacket of halogen-free compound is applied.

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Cable design

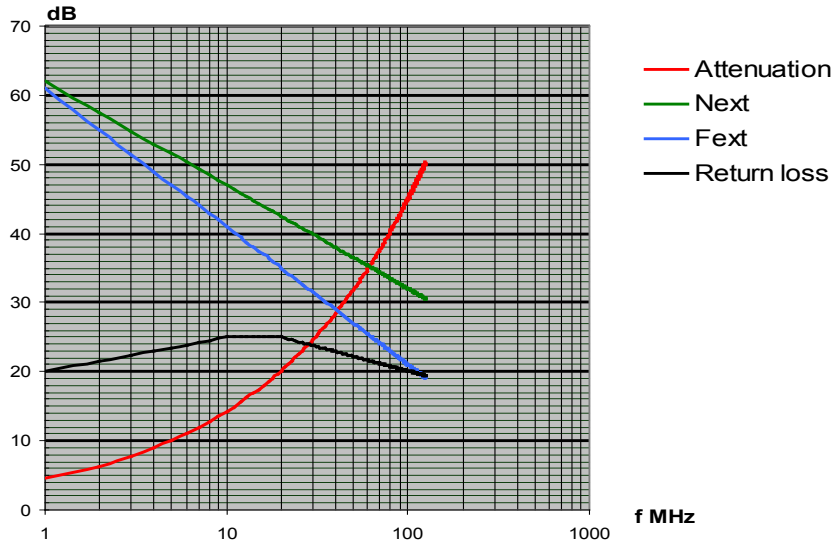
- *Conductor* solid tinned copper wire AWG 28 Ø 0.32 mm
- *Insulation* polyolefin
- *Pair* twisted pairs
- *Lay up* concentric stranded pairs.
- *Wrapping* plastic foil
- *Screen* aluminum foil and braid of tinned copper wires.
- *Jacket* flame retardant halogen free thermoplastic compound.

General data

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

Electrical data

Resistance 245 mohm/m (max)
Capacitance 51 pF/m (nom)
Impedance 100±15 ohm (1-125 MHz)
Attenuation 4.5 dB/100 m (max) at 1 MHz
Near end crosstalk loss 62 dB (min) at 1 MHz
Delay skew 45 ns/100m (max)
Transfer impedance 20 mohm/m (30 MHz)
EIC verified IEC 61156-5, EN 50 288-2-1 and TIA/EIA-568-B (Exception on attenuation AWG 28 wire)



Order information

Product number	Number of pairs x conductor diam	Delivery length/ drum	Cable Diam. mm	Net weight kg/100m
TEL 301 6029/003	3x2x0.32	2000 m/K5	3.6	1.8
TEL 301 6029/004	4x2x0.32	2000 m/K5	4.0	2.1

Color code

Pair No.	Color of core A-core	B-core
1	White	blue
2	White	orange
3	White	green
4	White	brown

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