Coaxial cable 75 ohm, TZC 750 05

KLKX HF 75 0.5/3.0

Features

- Robust design with a dielectric of solid PE
- Screened with a double braid
- ROHS compliant

Application

Intended for indoor use in transmission systems.

The coaxial cable is a 75 ohm version with solid dielectric, screened by a double braid and jacketed with a PVC compound.

The cable offers low attenuation and robustness required in dense telecom applications.

Cable design

- *Inner conductor* ..... solid tin plated copper wire ..... Ø 0.49 mm
- *Insulation* ..... polyethylene ..... Ø 3.0 mm
- *Outer conductor* ..... double braid of tin-plated copper wires ..... Ø 4.4 mm
- *Jacket* ..... PVC compound ..... Ø 5.6 mm

Electrical data *typical values*

Impedance ..... 75 ohm
Capacitance ..... 67 pF/m
Attenuation
1 MHz ..... 1.7 dB/100 m
4 MHz ..... 2.9 dB/100 m
17 MHz ..... 5.8 dB/100 m
70 MHz ..... 12 dB/100 m
200 MHz ..... 18 dB/100 m (max)
Velocity ratio 0.66
DC-resistance
inner conductor ..... 93 ohm/km
outer conductor ..... 6.0 ohm/km

General data

Operating voltage ..... 2.2 kV AC (max peak value)
Operating temp ..... –30 to +75 °C
Bending radius ..... +20 °C 30 mm (min)
Flame resistance ..... IEC 60332-3-24
Marking on jacket ..... manufacturer, year and week of manufacture, Ericsson product No. and length marking
Color ..... Black

Order information

Product number	Delivery length/drum	Cable Diam. mm	Net weight (kg/100m)
TZC 750 05	500 m/K4	5.6	5.8

Suitable connectors

Connector series	Description Jack (female), Plug (male)	Ericsson part no.
M4	Straight jack crimp	RNT 148 101
M4	Straight plug crimp	RPT 148 101
BNC	Straight plug crimp	RPT 158 53

Transmission distance *)

Transmission Rate, Mb/s	Distance max.
2	350 m
8	210 m
34	210 m
140	100 m
155	100 m

*) The length is approximate for a direct link port to port according to ITU G703

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