Coaxial cable 75 ohm, TZE 101 10

KLQXBU 2 HF 75 0.3/1.95

Features

- Robust design with a dielectric of solid PE
- Double braid for good screening
- Halogen-free
- Based on the telecom standard cable TZC 750 24 gives an easy access to all types of telecom connector series
- Twin version for easier cable installation
- Twin shaped web makes it easy to split apart the two cables
- ROHS compliant

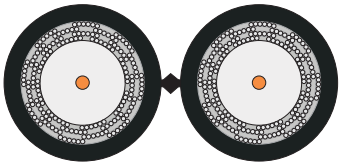
Application

Intended for indoor use in transmission systems.

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

The cable offers the required transmission properties and robustness with fast and easy installations in dense telecom applications.

Cable design



- Inner conductor	solid plain copper wire	Ø 0.31 mm
- Insulation	polyethylene	Ø 1.95 mm
- Outer conductor	double braid of tin-plated copper wires	Ø 2.8 mm
- Jacket	flame retardant halogen free thermoplastic compound	Ø 3.6 mm
- Lay-up	The thin web between the two coaxial parts allows separation by drawing them apart by hand	3.6 × 7.3 mm

Electrical data *typical values*

Impedance	75 ohm
Capacitance	67 pF/m
Attenuation	
1 MHz	2.3 dB/100 m
4 MHz	4.5 dB/100 m
17 MHz	9.2 dB/100 m
70 MHz	19 dB/100 m
200 MHz	32 dB/100 m (max)
Velocity ratio	0.66
DC-resistance	
inner conductor	228 ohm/km
outer conductor	17.5 ohm/km

General data

Operating voltage	0.75 kV AC (max peak value)
Operating temp	–30 to +75 °C
Bending radius	+20 °C 20 mm (min)
Halogen-free	IEC 60754-2
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 Dimension mm	Net weight (kg/100m)
TZE 101 10	2200 m/K6	3.6 x 7.3	4.6

Suitable connectors

Connector series *)	Description Jack (female), Plug (male)	Ericsson part no.
M4	Straight jack crimp	RNT 148 102
M4	Straight plug crimp	RPT 148 102
BNC	Straight jack crimp	RNT 158 30
BNC	Straight plug crimp	RPT 158 54

*) For other connector series see product information for TZC 750 25

Transmission distance *)

Transmission Rate, Mb/s	Distance max.
2	270 m
8	125 m
34	125 m
140	65 m
155	65 m

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

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