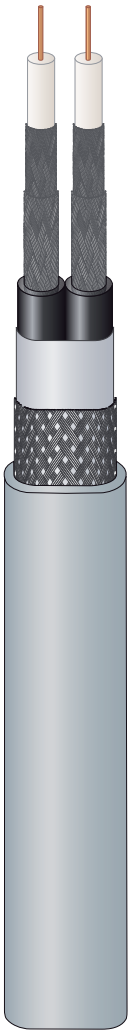
Coaxial cable 75 ohm, TZE 101 19

KLKAFK 2 HF 75 0.31/1.95



Features

- Robust design with a solid dielectric
- Twin version for easier cable installation
- Double screened for RF protection on coax braid
- Durable common jacket for severe installations
- ROHS compliant

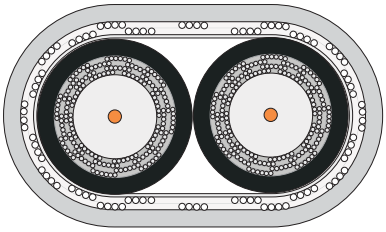
Application

Intended for indoor use in transmission systems.

The twin-core 75 ohm coaxial cable with a dielectric of solid polyethylene, double braided and jacketed with a PVC compound is covered with a common screen of aluminum foil and braid, jacketed with a PVC compound. This secures excellent EMC performance and robustness.

Cable design

- Inner conductor	solid plain copper wire	Ø 0.31 mm
- Insulation	solid polyethylene	Ø 1.95 mm
- Outer conductor	double braid of tin-plated copper wires	Ø 2.8 mm
- Jacket	PVC compound	Ø 3.6 mm
- Lay-up	two single cables laid parallel	3.6 x 7.2 mm
- Screen	Al-foil and tinned copper braid	4.4 x 8.0 mm
- Jacket.	PVC compound	6.0 x 9.6 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	–15 to +75 °C
Bending radius	+20 °C 36 mm (min)
Flame resistance	IEC 60332-1
Marking on jacket	manufacturer, year and week of manufacture, Ericsson product No. and length marking
Color	Grey

Order information

Product number	Delivery length/drum	Cable Dimension mm	Net weight (kg/100m)
TZE 101 19	500 m/K5	6.0 x 9.6	9.2

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 24

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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