

TELASS CR 220

Product-Nr.: 3176

DOP.: Fca

Usage

Distribution and line cables are used in broadband communication networks. Longitudinally welded high-purity copper tubes ensure optimum immunity to interference radiation as well as high stability. Made in Germany quality. They are used for signal transmission between head-end station and house connection. They can also be used in public broadband communication networks or underground installation.

Weight

0,172 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	2,20 ± 0,03
Inner Conductor material	Cu bare
Insulation dimensions [mm]	8,80 ± 0,15
Insulation material	foamed HDPE (gas injection)
1. Outer Conductor material	Cu tape welded
1. Outer Conductor dimensions [mm]	9,30 ± 0,20
Jacket dimensions [mm]	12,50 ± 0,50
Jacket material	PE black
Band thickness [mm]	0,22
Construction Number	030322

Electrical Properties

EMC class	A++
Characteristic impedance [Ω]	75 ± 2
Attenuation at 5 MHz [dB/100m]	0,6
Attenuation at 50 MHz [dB/100m]	2,0
Attenuation at 100 MHz [dB/100m]	2,8
Attenuation at 200 MHz [dB/100m]	4,0
Attenuation at 500 MHz [dB/100m]	6,4
Attenuation at 800 MHz [dB/100m]	8,2
Attenuation at 1000 MHz [dB/100m]	9,2
Attenuation at 2000 MHz [dB/100m]	13,4
Attenuation at 3000 MHz [dB/100m]	16,7
Velocity ratio [v/c]	0,89
DC resistance inner conductor [Ω/km]	5,6
DC resistance outer conductor [Ω/km]	3,0
Capacitance approx. [pF/m]	50
Return loss 30 - 300 MHz [dB]	30
Return loss >300-470 MHz [dB]	28
Return loss >470-1000 MHz [dB]	26
Return loss >1000-2000 MHz [dB]	23

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Return loss >2000-3000 MHz [dB]	20
Transfer impedance [mΩ/m]	< 0,1
Screening attenuation 30-1000 MHz [dB]	> 120
Screening attenuation >1000-2000 MHz [dB]	> 110
Screening attenuation >2000-3000 MHz [dB]	> 100
Insulation resistance [MΩ*km]	> 10 ⁴

Mechanical Properties

Max. tensile strength [N]	350
Heat of combustion [kWh/m]	0,88
UV-resistance	Good
Min. bending radius (dynamic) [mm]	125
Min. bending radius (static) [mm]	63
Operating temperature range [°C]	-40 / +70

Alle Angaben verstehen sich, falls nicht anders angegeben, als Nennwert. Änderungen in Konstruktion und Ausführung vorbehalten.
 The data provided is based on nominal values. Subject to change without notice and errors excepted.

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