

Data Cables

RG 316 FEP

FEP insulated coaxial cable with TPE jacket in reference to RG 316 (50 Ω)



Construction:

Conductor:	silver-plated strands
Insulation:	FEP
Colour code:	nature
Screen:	tinned copper braiding
Sheath material:	TPE
Sheath colour:	black (RAL 9005)

Outstanding features:

- » excellent temperature resistance and flexibility at low temperatures
- » excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics

Technical data:

Frequency range:	max. 3 GHz
Peak operating voltage:	900 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x d
Intrinsic impedance:	50 Ω ± 5 Ω
Spreading velocity:	approx. 69%
Capacitance:	max. 105 pF/m
Conductor resistance:	max. 142,9 Ω/km
Attenuation at 20 °C:	50 MHz approx. 19 dB/100 m 100 MHz approx. 27 dB/100 m 400 MHz approx. 57 dB/100 m 900 MHz approx. 90 dB/100 m 1000 MHz approx. 95 dB/100 m 1800 MHz approx. 140 dB/100 m 3000 MHz approx. 165 dB/100 m
Regularity:	50 MHz up to 400 MHz > 26 dB 400 MHz up to 1800 MHz > 23 dB 1800 MHz up to 3000 MHz > 15 dB

Temperature range	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C

Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“
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item no.	nominal cross-section mm ²	nominal single wire Ø mm	outer-Ø mm	copper figure kg/km	cable weight ≈ kg/km
36000172	26/7	0,16	2,55 ± 0,05 mm	8,9	12

Other dimensions and colours are possible on request.