

Data Cables

RG 179 FEP

FEP insulated coaxial cable with FEP jacket in reference to RG 179 (75 Ω)



Construction:

Conductor:	silver-plated strands, fine wires (7 wires)
Insulation:	FEP
Colour code:	nature
Screen:	silver-plated braiding
Sheath material:	FEP
Sheath colour:	black (RAL 9005)

Outstanding features:

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

Technical data:

Frequency range:	max. 1 GHz
Peak operating voltage:	900 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x d
Intrinsic impedance:	75 Ω ± 5 Ω
Spreading velocity:	approx. 69%
Capacitance:	max. 75 pF/m
Conductor resistance:	max. 363 Ω/km
Attenuation at 20 °C:	50 MHz approx. 18 dB/100 m 100 MHz approx. 25 dB/100 m 400 MHz approx. 55 dB/100 m 900 MHz approx. 85 dB/100 m 1000 MHz approx. 90 dB/100 m 1800 MHz approx. 130 dB/100 m 3000 MHz approx. 175 dB/100 m

Regularity:	50 MHz up to 400 MHz approx. 26 dB 400 MHz up to 1000 MHz approx. 24 dB 1000 MHz up to 3000 MHz approx. 20 dB
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Temperature range	
fixed laying:	-90/+180 °C
flexible application:	-55/+180 °C

Chem. resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
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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	nomin single wire ø mm	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
36200062	1 x 0,055	0,11	2,54 ± 0,12 mm	9,5	16

Other dimensions and colours are possible on request.