

Data Cables

RG 179 FEP

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



Construction:

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|------------------|---|
| 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 |

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|-------------|---|
| 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 |

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|-------------------|---|
| 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.