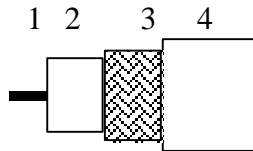
	TECHNICAL DATA SHEET		code	MRG1740
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APPLICATION

Coaxial communication cable based on MIL-C-17.

CONSTRUCTION



- | | | |
|---|-----------------|---|
| 1 | Inner conductor | Stranded copper clad steel |
| 2 | Dielectric | Solid PE |
| 3 | Braid | Tinned copper |
| 4 | Sheath | PVC according the European Standard HD 624. |

REQUIREMENTS AND TEST METHODS

Test methods in accordance with European standard EN 50289.

Mechanical characteristics

- | | |
|------------------------------------|-------------------|
| 1. Inner conductor: | 7 x 0.16 mm |
| Diameter: | 0.48 mm ± 0.02 mm |
| 2. Dielectric: | |
| Diameter: | 1.5 mm ± 0.15 mm |
| 3. Outer conductor: | |
| Diameter screen: | 1.97 mm ± 0.15 mm |
| Coverage braid: | 85 % ± 4 % |
| 4. Sheath: | |
| Diameter: | 2.8 mm ± 0.1 mm |
| 5. Cable: | |
| Storage/operating temperature: | -40°C to +70°C |
| Minimum installation temperature: | -5 °C |
| Maximum pulling tension: | 90N |
| Reaction to fire according EN50575 | Eca |

Electrical characteristics

- | | |
|----------------------------------|-------------------|
| Mean characteristic impedance: | 50 ± 2 Ω |
| DC resistance inner conductor: | ≤ 317 Ohm/km |
| Capacitance: | 100 pF/m ± 3 pF/m |
| Nominal velocity of propagation: | 66 % |
| Voltage Rating | |
| DC: | 1.4 kVdc |
| RMS | 1.0 kVrms |
| Nominal Attenuation: | |
| 10 MHz: | 11 dB/100m |
| 200 MHz: | 42 dB/100m |
| 1000 MHz: | 110 dB/100m |
| Maximum attenuation: | 10% higher. |

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.



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