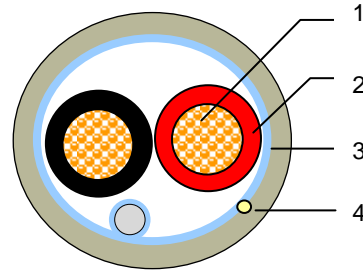


4200FE

Commercial applications
AWG16 (19xAWG29) stranded
Polyolefin insulation
Beldfoil shield
FRNC sheath



Applications

- Commercial applications.

Construction & Dimensions

| | |
|---------------------------|-------------------------------|
| 1. Inner Conductor | |
| Material | Stranded bare copper |
| Size | AWG16 (19xAWG29) |
| Diameter | 1.45 mm |
| 2. Insulation | |
| Material | Polyolefin |
| Diameter over insulation | 1.80 ± 0.05 mm |
| Wall thickness | 0.2 mm |
| Overall Cabling | 2 wires stranded |
| Colour code | black – red |
| 3. Outer shield | |
| Shield | Beldfoil®) |
| Shield Material | Aluminium / Polyester tape |
| Shield Thickness Alu | 9 µm |
| Shield coverage | 100% |
| Drain wire | AWG24/7stranded tinned copper |
| 4. Sheath | |
| Material | FRNC |
| Colour | Grey |
| Nominal thickness | 0.4 mm |
| Nominal diameter | 4.7 mm |
| Ripcord | Provided under the sheath |

Mechanical characteristics

| Parameter | Specification | Unit |
|--|---------------|------|
| Flame Retardant according to | IEC 60332-1 | |
| Halogen free according to | IEC 60754-1 | |
| Non corrosive gas according to | IEC 60754-2 | |
| Non dense smoke according to | IEC 61034 | |
| Temperature range processing and operating | -20 to +70 | °C |
| Temperature range storage | -30 to +70 | °C |
| Maximum pulling tension | 200 | N |
| Minimum bending/setting radius | 5*D/10*D | |

Electrical characteristics

| Parameter | Specification | Unit |
|---|---------------|-----------------|
| Nominal resistance conductor | 13.1 | Ω/km |
| Nominal resistance shield | 15.4 | Ω/km |
| Nom. capacitance conductor to conductor @ 1kHz | 250 | pF/m |
| Nom. capacitance cond. to shield + other cond. @ 1kHz | 450 | pF/m |
| Test voltage conductor-conductor | 2500 | VDC,3 seconds |
| Test voltage conductor-screen | 2500 | VDC,3 seconds |
| Voltage rating | 300 | V RMS |
| Maximum continues current per conductor @ 25 °C | 6.25 | A per conductor |



Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2011/65/EU, 02 Jan. 2013); this is valid for all material produced after the RoHS compliant date for this product.

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