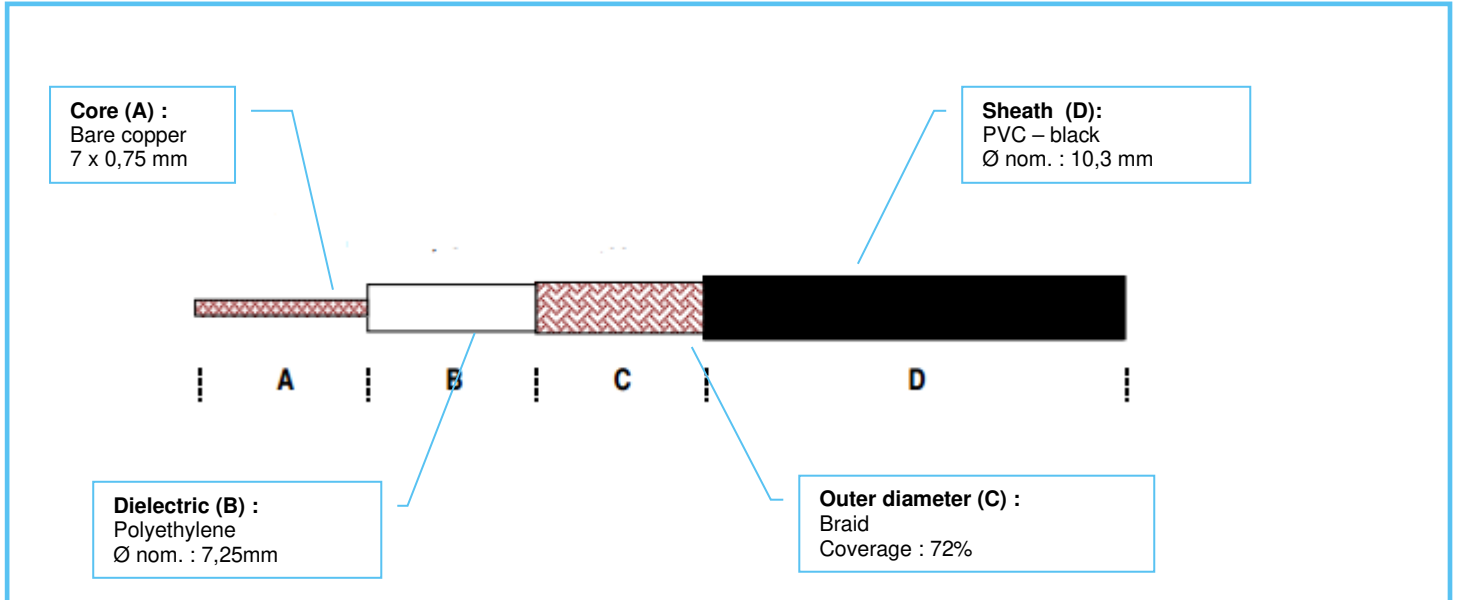


216-3674

50 Ω coaxial cable



FT 1 21/10/20JL



PRODUCTS INFORMATIONS

Application

These cables are used for transmission of radio frequency signals and for network infrastructure.

Electricals properties

Characteristic impedance at 200 MHz : **50 Ω**
Nominal capacity : **100 pF/m**
Electrical resistance – inner conductor: **< 6.0 Ω/km**
Velocity propagation : **66%**

Characteristics



Temperature range :
- 10°C → + 70°C



Min bending radius
105 mm



137 kg/km



IEC 60332-1
EN50575 :2014+A1 :2016 Class Eca

216-3674

50 Ω coaxial cable



ET 1 21/10/20JL

Attenuations and power rating

| MHz | dB/100m | W | MHz | dB/100m | W | MHz | dB/100m | W |
|-----|---------|------|------|---------|-----|------|---------|-----|
| 5 | 1.3 | 2800 | 500 | 16.1 | 280 | 1750 | 35.2 | 150 |
| 10 | 1.9 | 2000 | 600 | 17.8 | 250 | 2150 | 40.5 | 135 |
| 50 | 4.5 | 890 | 800 | 21.3 | 220 | 2250 | 41.5 | 130 |
| 100 | 6.7 | 630 | 1000 | 24.3 | 200 | 2500 | 44.7 | 125 |
| 200 | 9.9 | 450 | 1350 | 29.7 | 170 | 2750 | 47.9 | 120 |
| 400 | 14.3 | 315 | 1500 | 31.7 | 160 | 3000 | 51.3 | 115 |

Return Loss & Screening Effectiveness

| Frequency (MHz) | Return loss (dB) |
|-----------------|------------------|
| 30-300 | >31 |
| 300-600 | >28 |
| 600-1000 | >27 |
| 1000-2000 | >24 |
| 2000-3000 | >22 |

| Frequency (MHz) | Screening effectiveness (dB) |
|-----------------|------------------------------|
| 100 - 900 | >50 |
| 900 - 2000 | - |
| 2000 - 3000 | - |