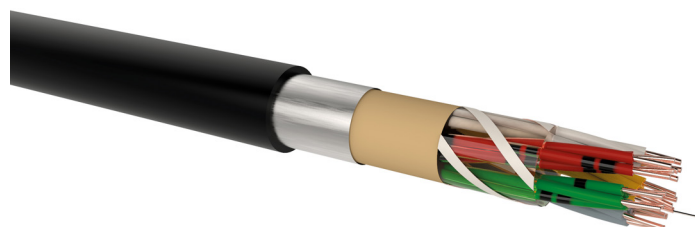


A-2YF(L)2Y...St III Bd

Telecommunication underground cable, screened, longitudinally water-proof

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (foam skin PE), cores star quaded and quads stranded in groups, core stranding petrol jelly filled
- 3 | Inner covering (paper tape)
- 4 | Screen (copolymer laminated aluminium tape which is welded to the PE sheath)
- 5 | Sheath (PE black, UV-resistant)

APPLICATION

Underground cable for use in telecommunications installations and related installations. Suitable for installation under ground, in cable ducts etc.

TECHNICAL DATA



Standard:
DIN VDE 0816



Rated voltage:
225 V_{eff} (peak value)



Test voltage:
500 V (core/core) / 50 Hz
2 kV (core/screen) / 50 Hz



Temperature range:
laying temperature: min. -20 °C
fixed: -20 °C up to 70 °C
moved: -20 °C up to 50 °C



Bending radius (min.):
10 x Ø of cable



Core identification:
DIN VDE 0816



Fire properties:
CPR classification: F_{ca}



Certificate:
VDE Germany

ELECTRICAL PARAMETERS

| | | | |
|---|-----------|------|------|
| Conductor diameter | (mm) | 0.6 | 0.8 |
| Loop resistance, max. | (Ω/km) | 130 | 73.2 |
| Insulation resistance, min. at 20 °C | (MΩ.km) | 1500 | 1500 |
| Mutual capacitance, max. at 800 Hz (80% of values) | (nF/km) | 48 | 50 |
| Mutual capacitance, max. at 800 Hz (95 % of values) | (nF/km) | 50 | 53 |
| Mutual capacitance, max. at 800 Hz (100 % of values) | (nF/km) | 52 | 55 |
| Capacitance unbalance K ₁ , max. at 800 Hz (98% of values) | (pF/300m) | 400 | 400 |
| Capacitance unbalance K1, max. at 800 Hz (100% of values) | (pF/300m) | 800 | 800 |
| Capacitance unbalance K ₉ -K ₁₂ , max. at 800 Hz (98% of values) | (pF/300m) | 100 | 100 |
| Capacitance unbalance K ₉ -K ₁₂ , max. at 800 Hz (100% of values) | (pF/300m) | 300 | 300 |
| Capacitance unbalance E ₁ -E ₂ , max. at 800 Hz | (pF/300m) | 800 | 800 |

A-2YF(L)2Y...St III Bd

Telecommunication underground cable, screened, longitudinally water-proof

| Number of pairs x nominal diameter (mm) | Outer diameter (mm) appr. | Total weight (kg/km) appr. | Standard lengths/packing (m) |
|---|---------------------------|----------------------------|------------------------------|
| A-2YF(L)2Y...St III Bd | | | |
| 2 x 2 x 0.6 | 8.0 | 80 | 500 D, 1000 D |
| 6 x 2 x 0.6 | 10.8 | 124 | 500 D, 1000 D |
| 10 x 2 x 0.6 | 12.6 | 173 | 500 D, 1000 D |
| 20 x 2 x 0.6 | 16.3 | 291 | 500 D, 1000 D |
| 30 x 2 x 0.6 | 18.5 | 406 | 500 D, 1000 D |
| 40 x 2 x 0.6 | 20.9 | 495 | 500 D, 1000 D |
| 50 x 2 x 0.6 | 22.5 | 604 | 500 D, 1000 D |
| 70 x 2 x 0.6 | 25.0 | 787 | 500 D, 1000 D |
| 100 x 2 x 0.6 | 30.0 | 1143 | 500 D, 1000 D |
| 200 x 2 x 0.6 | 41.5 | 2193 | 500 D, 1000 D |
| 2 x 2 x 0.8 | 9.5 | 89 | 500 D, 1000 D |
| 4 x 2 x 0.8 | 12.0 | 146 | 500 D, 1000 D |
| 6 x 2 x 0.8 | 12.5 | 171 | 500 D, 1000 D |
| 10 x 2 x 0.8 | 15.0 | 253 | 500 D, 1000 D |
| 20 x 2 x 0.8 | 19.5 | 446 | 500 D, 1000 D |
| 30 x 2 x 0.8 | 22.5 | 615 | 500 D, 1000 D |
| 40 x 2 x 0.8 | 25.5 | 821 | 500 D, 1000 D |
| 50 x 2 x 0.8 | 28.0 | 988 | 500 D, 1000 D |
| 70 x 2 x 0.8 | 31.0 | 1283 | 500 D, 1000 D |
| 100 x 2 x 0.8 | 37.0 | 1843 | 500 D, 1000 D |
| 200 x 2 x 0.8 | 52.4 | 3652 | 500 D, 1000 D |

Technical changes reserved. All figures are therefore without guarantee.

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