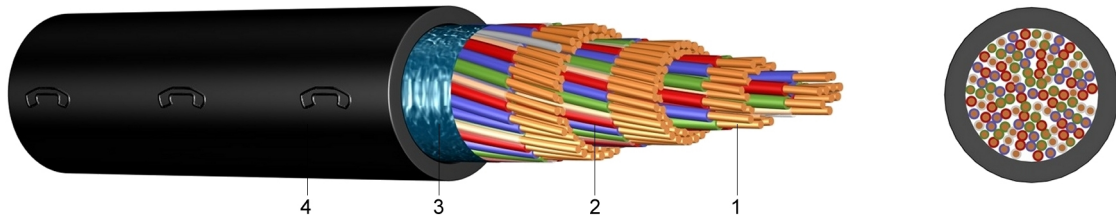


F-2YA2Y

Plastic Insulated Telecommunication Cable for Local Networks

Application:

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.



Construction:

- 1 solid bare copper, \varnothing 0,6/0,8mm
- 2 core insulation of polyethylene (PE)
- 3 static screen of aluminium foil with tinned copper drain wire, \varnothing 0,5mm
- 4 outer sheath of polyethylene (PE), black

Information:

conductor loop resistance:

- core- \varnothing 0,6mm 130,0 Ohm/km
 core- \varnothing 0,8mm 73,2 Ohm/km

Cores twisted to star-quads.

Core colours: transparent (or black by the start quad), red, green, blue

Standards:

adapted to austrian telecom standard

Technical data:

| | | | |
|----------------------------|---------------|-------------------|--------------------|
| Peak operating voltage | | [V] | 200Veff / 300 Volt |
| Test voltage at 50 Hz | core / core | [V] _{AC} | 500 |
| | core / screen | [V] _{AC} | 2000 |
| Temperature range | in motion | | -20°C till +90°C |
| Bending radius | in motion | x diameter | 15 |
| Insulation resistance | min. | [M Ω /km] | 10000 |
| Mutal capacitance | max. | [nF/km] | 55 |
| Capacitance unbalance 100m | max | [pF] | 1500 |

| Number of pairs and nominal conductor diameter mm | Copper figure kg/km | Insulation thickness mm | Overall diameter appr. mm | Weight appr. kg/km |
|---|---------------------|-------------------------|---------------------------|--------------------|
| 2 x 2 x 0,6 | 12,5 | 1,8 | 7,1 | 46 |
| 6 x 2 x 0,6 | 34,6 | 1,8 | 9,3 | 86 |
| 10 x 2 x 0,6 | 56,6 | 1,8 | 10,5 | 120 |
| 20 x 2 x 0,6 | 110,4 | 1,8 | 14,2 | 210 |
| 30 x 2 x 0,6 | 165,1 | 1,8 | 16,5 | 280 |
| 40 x 2 x 0,6 | 218,9 | 1,8 | 17,0 | 355 |
| 50 x 2 x 0,6 | 273,6 | 1,8 | 18,5 | 425 |
| 60 x 2 x 0,6 | 328,3 | 1,8 | 19,5 | 485 |
| 100 x 2 x 0,6 | 545,3 | 2,0 | 26,5 | 820 |

| Number of pairs and nominal conductor diameter mm | Copper figure kg/km | Insulation thickness mm | Overall diameter appr. mm | Weight appr. kg/km |
|---|---------------------|-------------------------|---------------------------|--------------------|
| 2 x 2 x 0,8 | 21,1 | 1,8 | 7,6 | 65 |
| 6 x 2 x 0,8 | 59,5 | 1,8 | 10,4 | 130 |
| 10 x 2 x 0,8 | 98,9 | 1,8 | 12,2 | 190 |
| 20 x 2 x 0,8 | 194,9 | 1,8 | 16,4 | 330 |
| 30 x 2 x 0,8 | 291,8 | 1,8 | 18,2 | 460 |
| 40 x 2 x 0,8 | 387,8 | 1,8 | 19,8 | 580 |
| 50 x 2 x 0,8 | 483,8 | 2,0 | 21,6 | 700 |
| 60 x 2 x 0,8 | 581,8 | 2,0 | 23,1 | 780 |
| 100 x 2 x 0,8 | 967,7 | 2,0 | 31,3 | 1.350 |