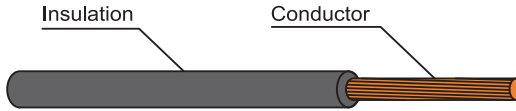


300/500 V 70°C FLEXIBLE CONDUCTOR PVC INSULATED, SINGLE CORE


 TIS 11 Part 3-2553
CABLE STRUCTURE

Conductor : Flexible annealed copper wire
: Sizes 0.5 mm² up to 1 mm²

Insulation : Polyvinyl chloride (PVC/C)

Core identification : Single-cores : Any color

TECHNICAL DATA

Classification : Maximum conductor temperature 70 °C
: Circuit voltage not exceeding 300/500 Volts

Rated voltage : 300 Volts between Line to Earth
: 500 Volts between Line to Line

Testing voltage : 2,000 Volts

Reference standard : TIS 11 Part 3-2553, Table 7

APPLICATION

Building wiring for installation on insulator or in raceway dry location.

| Nominal cross sectional area | Conductor type | Insulation thickness nominal | Overall diameter | | Conductor resistance at 20°C maximum | Insulation resistance at 70°C minimum | Continuous current rating in free air maximum (40 °C) | Cable weight approx. | Standard Length |
|------------------------------|----------------|------------------------------|------------------|---------|--------------------------------------|---------------------------------------|---|----------------------|-----------------|
| | | | Minimum | Maximum | | | | | |
| (mm ²) | | (mm) | (mm) | (mm) | (Ω/km) | (MΩ·km) | (A) | (kg/km) | (m) |
| 0.5 | Flexible | 0.6 | 2.1 | 2.5 | 39.0 | 0.013 | 3 | 9 | 100/C |
| 0.75 | Flexible | 0.6 | 2.2 | 2.7 | 26.0 | 0.011 | 6 | 12 | 100/C |
| 1 | Flexible | 0.6 | 2.4 | 2.8 | 19.5 | 0.010 | 10 | 15 | 100/C |

C : Packing in Coil

| Number of core | A.C. Resistance | Inductance | Reactance | Impedance |
|----------------|-----------------|------------|-----------|-----------|
| | R (Ω/km) | | | |
| 0.5 | 46.6635 | 0.5642 | 0.1773 | 46.6638 |
| 0.75 | 31.1090 | 0.5394 | 0.1695 | 31.1095 |
| 1 | 23.3318 | 0.5225 | 0.1641 | 23.3323 |