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Power cable < 1 kV, for flexible applications Purflex PUR-TPE-CY



Application : Flexible cable for extreme circumstances. Very good oil and media resistant. The cable is free of halogen. This cable has a smaller outer diameter and an extended temperature range: -30°C to 90°C. Suitable for spiral cords.

TECHNICAL DATA : TYPE PUR-TPE-CY

Remarks : Extremely resistant to oil, petrol, ozone. Protects well from abrasion, suitable for spiral cords.

| | |
|--|----------------------------|
| Conductor material | : Copper, bare |
| Stranding element | : No |
| Conductor category | : Class 6 = very flexible |
| Core insulation material | : Copolymer, thermoplastic |
| Inner sheath | : No |
| Screen over stranding element | : None |
| Screen | : Yes |
| Screen over stranding | : Braiding |
| Model | : Round |
| Colour outer sheath | : Black |
| Material outer sheath | : Polyurethane (PUR) |
| Flame retardant | : No |
| Halogen free (acc. EN 60754-1/2) | : Yes |
| Oil resistant (acc. EN 60811-404) | : Yes |
| Low smoke (acc. BS EN 61034-2) | : Yes |
| Low temperature resistant (acc. EN 60811-504+505+506) | : Yes |
| Permitted cable outer temperature during assembling/handling | : -30°C to 90°C |
| Permitted cable outer temperature after assembling without vibration | : -50°C to 90°C |
| Max. conductor temperature | : 80°C |
| Nominal voltage U ₀ | : 300V |
| Core protection | : No |
| Nominal voltage U | : 500V |
| Conductor surface | : Bare |
| | : No |
| | : Round |
| Shape of conductor | : Round |



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| ProductNr | Dimension | Protective conductor | Core identification | Outer diameter approx. (mm) |
|-----------|-----------|----------------------|---------------------|-----------------------------|
| 0154104 | 4 x 0.25 | Yes | Colour | 4.8 |
| 0154106 | 6 x 0.25 | Yes | Colour | 5.2 |
| 0154107 | 7 x 0.25 | Yes | Colour | 5.7 |
| 0154108 | 8 x 0.25 | Yes | Colour | 6.3 |
| 0154303 | 3 x 0.5 | Yes | Numbers | 5 |
| 0154304 | 4 x 0.5 | Yes | Numbers | 5.3 |
| 0154307 | 7 x 0.5 | Yes | Numbers | 7.5 |
| 0154312 | 12 x 0.5 | Yes | Numbers | 8.8 |
| 0154402 | 2 x 0.75 | No | Numbers | 5.3 |
| 0154403 | 3 x 0.75 | Yes | Numbers | 5.4 |
| 0154404 | 4 x 0.75 | Yes | Numbers | 6.2 |
| 0154405 | 5 x 0.75 | Yes | Numbers | 7.3 |
| 0154406 | 6 x 0.75 | Yes | Numbers | 7.5 |
| 0154407 | 7 x 0.75 | Yes | Numbers | 8 |
| 0154412 | 12 x 0.75 | Yes | Numbers | 9.7 |
| 0154503 | 3 x 1 | Yes | Numbers | 6.4 |
| 0154504 | 4 x 1 | Yes | Numbers | 6.6 |
| 0154507 | 7 x 1 | Yes | Numbers | 9.2 |
| 0154512 | 12 x 1 | Yes | Numbers | 10.7 |
| 0154602 | 2 x 1.5 | No | Numbers | 6 |
| 0154603 | 3 x 1.5 | Yes | Numbers | 6.7 |
| 0154604 | 4 x 1.5 | Yes | Numbers | 7.2 |
| 0154605 | 5 x 1.5 | Yes | Numbers | 8 |
| 0154607 | 7 x 1.5 | Yes | Numbers | 9.7 |
| 0154612 | 12 x 1.5 | Yes | Numbers | 11.4 |
| 0154618 | 18 x 1.5 | Yes | Numbers | 13.2 |
| 0154625 | 25 x 1.5 | Yes | Numbers | 16.8 |
| 0154703 | 3 x 2.5 | Yes | Numbers | 8.7 |
| 0154704 | 4 x 2.5 | Yes | Numbers | 9.6 |
| 0154705 | 5 x 2.5 | Yes | Numbers | 10.3 |
| 0154707 | 7 x 2.5 | Yes | Numbers | 12.6 |