



USE OF CABLE

for permanent use in water to connect electrical equipment such as submerged pump motors. Suitable for industrial water and for medium mechanical requirements.



SPECIAL FEATURES

- TML N-RD: rated voltage up to 0.6/1 kV when protected and fixed laying in pipes of well systems.
- free from lacquer damaging substances and silicone (during production)

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions and core colours on request.

PRODUCT INFORMATION

| | |
|------------------------------|------------------------------------------------------------------------------|
| Conductor material: | Bare copper strand |
| Conductor class: | Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5 |
| Core insulation: | TML N-RD: based on EPR; TML N-F: based on VPE |
| Core identification: | Acc. to VDE 0293-308 coloured with or without GNYE |
| Stranding: | TML N-RD: cores stranded in layers; TML N-F: cores parallel side by side |
| Outer sheath: | Based on EPR |
| Sheath colour: | Black |
| Rated voltage: | TML N-RD: U ₀ /U: 450/750 V; TML N-F: U ₀ /U: 0,6/1 kV |
| Testing voltage: | TML N-RD: 2,5 kV; TML N-F: 3 kV |
| Current-carrying-capacity: | Acc. to DIN VDE, see Technical Guidelines |
| Min. bending radius fixed: | 4 x d |
| Min. bending radius moved: | 5 x d |
| Operat. temp. fixed min/max: | -50 °C / +60 °C |
| Operat. temp. moved min/max: | -40 °C / +60 °C |
| Temp. at conductor: | +90 °C |
| Standard: | Similar to DIN VDE 0250 |

ITEM OVERVIEW

| Product No. | Dimension [n x mm ²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant |
|-------------|----------------------------------|--------------|------------------|-------------------|---------------|-----------------------------|
| 3500660 | 1 X 1,5 | 7,0 | 14,00 | 60,00 | black | V1: TML N-RD - rund / round |
| 3500661 | 1 X 2,5 | 7,5 | 24,00 | 80,00 | black | V1: TML N-RD - rund / round |
| 3500662 | 1 X 4 | 8,5 | 38,00 | 100,00 | black | V1: TML N-RD - rund / round |
| 3500663 | 1 X 6 | 9,5 | 58,00 | 120,00 | black | V1: TML N-RD - rund / round |
| 3500664 | 1 X 10 | 11,0 | 96,00 | 180,00 | black | V1: TML N-RD - rund / round |
| 3500665 | 1 X 16 | 13,0 | 154,00 | 240,00 | black | V1: TML N-RD - rund / round |
| 3500395 | 1 X 25 | 15,0 | 240,00 | 350,00 | black | V1: TML N-RD - rund / round |
| 3500666 | 1 X 35 | 16,0 | 336,00 | 470,00 | black | V1: TML N-RD - rund / round |
| 3500667 | 1 X 50 | 18,6 | 480,00 | 650,00 | black | V1: TML N-RD - rund / round |
| 3500668 | 1 X 70 | 21,0 | 672,00 | 900,00 | black | V1: TML N-RD - rund / round |
| 3500669 | 1 X 95 | 24,0 | 912,00 | 1150,00 | black | V1: TML N-RD - rund / round |
| 3500670 | 1 X 120 | 26,0 | 1152,00 | 1400,00 | black | V1: TML N-RD - rund / round |
| 3500671 | 1 X 150 | 28,0 | 1440,00 | 1800,00 | black | V1: TML N-RD - rund / round |
| 3500672 | 1 X 185 | 31,0 | 1776,00 | 2000,00 | black | V1: TML N-RD - rund / round |
| 3500673 | 3 X 1,5 | 11,0 | 43,00 | 140,00 | black | V1: TML N-RD - rund / round |

TML N-RD round, TML N-F flat

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant |
|-------------|---------------------|--------------|------------------|-------------------|---------------|-----------------------------|
| 3500684 | 3 G 1,5 | 11,0 | 43,00 | 140,00 | black | V1: TML N-RD - rund / round |
| 3500408 | 4 G 1,5 | 12,5 | 58,00 | 200,00 | black | V1: TML N-RD - rund / round |
| 3500263 | 7 G 1,5 | 15,2 - 17,2 | 101,00 | 362,00 | black | V1: TML N-RD - rund / round |
| 3500970 | 8 G 1,5 | 19,5 | 115,20 | 420,00 | black | V1: TML N-RD - rund / round |
| 3500986 | 10 G 1,5 | 19,2 | 144,00 | 378,00 | black | V1: TML N-RD - rund / round |
| 3500264 | 12 G 1,5 | 17,2 - 19,2 | 173,00 | 480,00 | black | V1: TML N-RD - rund / round |
| 3500674 | 3 X 2,5 | 13,5 | 72,00 | 210,00 | black | V1: TML N-RD - rund / round |
| 3500685 | 3 G 2,5 | 13,5 | 72,00 | 210,00 | black | V1: TML N-RD - rund / round |
| 3500686 | 4 G 2,5 | 15,0 | 96,00 | 250,00 | black | V1: TML N-RD - rund / round |
| 3500259 | 12 G 2,5 | 21,1 - 23,1 | 288,00 | 708,00 | black | V1: TML N-RD - rund / round |
| 3500675 | 3 X 4 | 15,5 | 115,00 | 300,00 | black | V1: TML N-RD - rund / round |
| 3500687 | 4 G 4 | 17,0 | 154,00 | 360,00 | black | V1: TML N-RD - rund / round |
| 3500676 | 3 X 6 | 17,0 | 173,00 | 400,00 | black | V1: TML N-RD - rund / round |
| 3500688 | 4 G 6 | 19,0 | 230,00 | 500,00 | black | V1: TML N-RD - rund / round |
| 3500677 | 3 X 10 | 22,5 | 288,00 | 650,00 | black | V1: TML N-RD - rund / round |
| 3500689 | 4 G 10 | 24,0 | 384,00 | 800,00 | black | V1: TML N-RD - rund / round |
| 3500678 | 3 X 16 | 25,5 | 461,00 | 900,00 | black | V1: TML N-RD - rund / round |
| 3500690 | 4 G 16 | 28,5 | 616,00 | 1100,00 | black | V1: TML N-RD - rund / round |
| 3500679 | 3 X 25 | 29,5 | 720,00 | 1300,00 | black | V1: TML N-RD - rund / round |
| 3500691 | 4 G 25 | 34,0 | 960,00 | 1700,00 | black | V1: TML N-RD - rund / round |
| 3500680 | 3 X 35 | 33,0 | 1008,00 | 1700,00 | black | V1: TML N-RD - rund / round |
| 3500692 | 4 G 35 | 38,0 | 1344,00 | 2200,00 | black | V1: TML N-RD - rund / round |
| 3500681 | 3 X 50 | 39,0 | 1440,00 | 2300,00 | black | V1: TML N-RD - rund / round |
| 3500693 | 4 G 50 | 43,0 | 1920,00 | 3100,00 | black | V1: TML N-RD - rund / round |
| 3500682 | 3 X 70 | 43,0 | 2016,00 | 3100,00 | black | V1: TML N-RD - rund / round |
| 3500694 | 4 G 70 | 49,0 | 2688,00 | 4200,00 | black | V1: TML N-RD - rund / round |
| 3500683 | 3 X 95 | 48,5 | 2736,00 | 4000,00 | black | V1: TML N-RD - rund / round |
| 3500695 | 4 G 95 | 55,0 | 3648,00 | 5300,00 | black | V1: TML N-RD - rund / round |
| 3500696 | 3 X 1,5 | 6,6 X 13,8 | 43,00 | 140,00 | black | V2: TML N-F - flach / flat |
| 3500707 | 4 G 1,5 | 6,5 X 16,7 | 58,00 | 180,00 | black | V2: TML N-F - flach / flat |
| 3500697 | 3 X 2,5 | 7,1 X 15,5 | 72,00 | 220,00 | black | V2: TML N-F - flach / flat |
| 3500398 | 4 G 2,5 | 7,1 X 19,5 | 96,00 | 230,00 | black | V2: TML N-F - flach / flat |
| 3500698 | 3 X 4 | 8,5 X 19,3 | 115,00 | 280,00 | black | V2: TML N-F - flach / flat |
| 3500708 | 4 G 4 | 8,5 X 24,1 | 154,00 | 350,00 | black | V2: TML N-F - flach / flat |
| 3500699 | 3 X 6 | 9,6 X 22,2 | 173,00 | 400,00 | black | V2: TML N-F - flach / flat |
| 3500394 | 4 G 6 | 9,6 X 27,9 | 230,00 | 450,00 | black | V2: TML N-F - flach / flat |
| 3500700 | 3 X 10 | 11,2 X 26,9 | 288,00 | 600,00 | black | V2: TML N-F - flach / flat |
| 3500709 | 4 G 10 | 11,4 X 34,4 | 384,00 | 800,00 | black | V2: TML N-F - flach / flat |
| 3500701 | 3 X 16 | 13,0 X 31,2 | 461,00 | 900,00 | black | V2: TML N-F - flach / flat |
| 3500710 | 4 G 16 | 13,3 X 40,0 | 616,00 | 1100,00 | black | V2: TML N-F - flach / flat |
| 3500702 | 3 X 25 | 15,6 X 37,6 | 720,00 | 1200,00 | black | V2: TML N-F - flach / flat |
| 3500711 | 4 G 25 | 15,8 X 46,6 | 960,00 | 1600,00 | black | V2: TML N-F - flach / flat |
| 3500703 | 3 X 35 | 17,5 X 42,2 | 1008,00 | 1600,00 | black | V2: TML N-F - flach / flat |

TML N-RD round, TML N-F flat

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|-------------|----------------------------------|--------------|------------------|-------------------|---------------|----------------------------|
| 3500712 | 4 G 35 | 18,0 X 54,2 | 1344,00 | 2100,00 | black | V2: TML N-F - flach / flat |
| 3500704 | 3 X 50 | 22,5 X 49,6 | 1440,00 | 2200,00 | black | V2: TML N-F - flach / flat |
| 3500713 | 4 G 50 | 22,6 X 61,8 | 1920,00 | 3000,00 | black | V2: TML N-F - flach / flat |
| 3500705 | 3 X 70 | 23,4 X 56,6 | 2016,00 | 3000,00 | black | V2: TML N-F - flach / flat |
| 3500714 | 4 G 70 | 24,0 X 70,0 | 2688,00 | 4100,00 | black | V2: TML N-F - flach / flat |
| 3500706 | 3 X 95 | 25,5 X 57,7 | 2736,00 | 3900,00 | black | V2: TML N-F - flach / flat |
| 3500715 | 4 G 95 | 26,1 X 78,4 | 3648,00 | 5200,00 | black | V2: TML N-F - flach / flat |