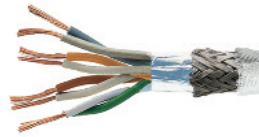


SPECIAL INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6A AND CAT 7A

CATLine CAT 6A DR reeling CAT 6A Gigabit Ethernet cable

CATLine CAT 7A DR reeling CAT 7A Gigabit Ethernet cable



VIERSEN · **CATLine** Cat.6A DR 4x2x26AWG

Marking for CATLine CAT 6A DR:

SAB BRÖCKSKES · D-VIERSEN · **CATLine** Cat.6A DR 4x2x26AWG 16394651 CE

Industrial Ethernet is a quickly developing network technology. Ethernet with the worldwide accepted TCP/IP (Transmission Control Protocol/Internet Protocol) will be the future connection to the well established field bus or sensor / actuator level. Depending on the application, we are able to offer today CAT 5, CAT 6 and CAT 7 cable solutions for flexible and continuous flex use, for chemical and thermal stress as well as special cable constructions for reeling purpose and robot operation.

| item no. | type | dimension AWG | nominal outer- ϕ inch | mm | cable weight \approx lbs/mft | tensile strength max. N |
|------------|-------------------|--------------------------|-------------------------------|------|-----------------------------------|----------------------------|
| ▶ 16394651 | CATLine CAT 6A DR | 26 (\approx 7/34)/4pr | 0.343 | 8.7 | 54 | 200 |
| ▶ 17394651 | CATLine CAT 7A DR | 26 (\approx 7/34)/4pr | 0.413 | 10.5 | 79 | 200 |

Other dimensions and colors are possible on request.

| Construction: | CATLine CAT 6A DR <i>reeling Ethernet cable</i> | CATLine CAT 7A DR <i>reeling Ethernet cable</i> |
|-------------------------|--|---|
| Item number: | 16394651 | 17394651 |
| Dimension: | 4 x 2 x 26 AWG | |
| Conductor: | bare copper strands, fine wires | |
| Insulation: | special polymer | |
| Color code: | white-blue/blue, white-orange/orange, white-green/green, white-brown/brown | |
| Stranding: | conductors twisted to pairs, pairs together | conductors twisted to pairs, pairs screened with alu foil, pairs together |
| Wrapping: | non-woven tape | --- |
| Screen: | alu foil | aluminized non-woven tape |
| Screen: | tinned copper braiding | |
| Wrapping: | non-woven tape | |
| Jacket material: | PUR / supporting braid / PUR | |
| Jacket color: | black (RAL 9005) | |

| Technical data: | CATLine CAT 6A DR <i>reeling Ethernet cable</i> | CATLine CAT 7A DR <i>reeling Ethernet cable</i> |
|---|---|---|
| Peak operating voltage: | max. 90 V | |
| Testing voltage: | 750 V | |
| Temperature range VDE fixed laying: flexible application: | - 50°C / + 90°C - 40°C / + 90°C | |
| Min. bending radius | for laying and installation (fixed laying): 5 x O.D. for repeated winding action (flexible): 10 x O.D. guided on deflection pulleys (flexible): 12 x O.D. | |
| Characteristic impedance (100 MHz): accomplishes the electrical and transmission requirements with high frequency | 100 Ω \pm 10 Ω with reference to EN 50288-10-2 / CAT 6A | 100 Ω \pm 10 Ω with reference to EN 50288-9-2 / CAT 7A |
| Zero halogen: | acc. to DIN VDE 0472 part 815 + IEC 60754-1 | |
| Weather resistance: | very good | |
| Oil resistance: | TMPU acc. to EN 50363-10-2 | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see page O/30 | |

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