

INDUSTRIAL GIGABIT ETHERNET CABLES CAT 7A



S 777 CAT 7A CAT 7A Gigabit Ethernet cable, suitable for cable tracks
RT 787 CAT 7A CAT 7A Gigabit Ethernet cable, suitable for robots



Marking for S 777 CAT 7A:
 SAB BRÖCKSKES · D-VIERSEN · S 777 Cat.7A 4x2x26AWG 1777-4631 RJ AWM Style 20549 80°C 300V CE

| Construction: | S 777 CAT 7A <i>continuously flexible</i> | RT 787 CAT 7A <i>suitable for robots</i> |
|-------------------------|--|--|
| Dimension: | 4 x 2 x 26 AWG | |
| Conductor: | bare copper strands, fine wires | |
| Insulation: | special polymer | |
| Colour code: | white-blue/blue, white-orange/orange, white-green/green, white-brown/brown | |
| Stranding: | | |
| Wrapping: | non-woven tape | |
| Screen: | aluminized non-woven tape | |
| Screen: | tinned copper braiding | |
| Wrapping: | non-woven tape | |
| Sheath material: | PUR | |
| Sheath colour: | green (similar RAL 6018) | |

| Technical data: | S 777 CAT 7A <i>continuously flexible</i> | RT 787 CAT 7A <i>suitable for robots</i> |
|--|--|--|
| Item number: | 1777-4631 | 1787-4631 |
| Peak operating voltage VDE: | max. 350 V | |
| Voltage UL: | 300 V | |
| Testing voltage: | core/core 1500 V - core/screen 1200 V | |
| Temperature range VDE fixed laying: flexible application: | UL: up to + 80°C - 40°C / + 70 °C - 30°C / + 70 °C | |
| Min. bending radius fixed laying: flexible application: continuously flexible: | 5 x d 10 x d 15 x d | 5 x d 10 x d |
| Torsion: | --- | up to ± 360°/m |
| Characteristic impedance (1-250 MHz): | 100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-9-2 / CAT 7A | |
| Halogen-free: | acc. to DIN VDE 0472 part 815 + IEC 60754-1 | |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1 + EN 60332-1-2 UL Horizontal Flame Test | |
| Oil resistance: | PUR, TMPU acc. to EN 50363-10-2 | |
| Flexibility: | very good | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see page N/14 | |

| item no. | type | no. of cores | cross section AWG | max. core-ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈kg/km |
|----------|---------------|--------------|----------------------|----------------------|-----------------------|---------------------------|---------------------------|
| 17774631 | S 777 CAT 7A | 8 | 26 | 1,60 | 8,8 | 38,5 | 80 |
| 17874631 | RT 787 CAT 7A | 8 | 26 | 1,60 | 8,8 | 38,5 | 80 |

Other dimensions and colours are possible on request.