

ÖLFLEX® TRUCK 470 P FLRY 11Y**DB 7027080**

valid from: 22.04.2010

Application

ÖLFLEX® TRUCK 470 P FLRY 11Y are cold flexible, UV resistant PUR hose cables designed for use in commercial vehicles under high mechanical load conditions. Because of ADR approval they are approved for electrical equipment in all trailers and semi-trailers transporting hazardous goods. The type test approval TÜ.EGG.003-94 was awarded by the TÜV SÜD Automotive GmbH (Abbrev. for: Electrical equipment for vehicles transporting hazardous goods).

Design

Design	acc. to DIN ISO 6722
Approval	TÜ.EGG.003-94 (ADR approval)
Conductor	fine wire strands of bare copper, acc. to DIN ISO 6722
Core insulation	PVC compound
Data transmission cores	pairs for data transmission: Stranded cores, polypropylene (PP) insulating cover
Core identification	acc. to DIN ISO 4141-3
Outer sheath	Special PVC based inner sheath Special polyurethane outer sheath colour: Black

Electrical properties at 20 °C

Specific insulation resistance	G Ω x cm	> 20
Nominal voltage	60 V DC	
Test voltage	< 0,5 mm ² : 3000 V r.m.s. min. 5 minutes ≥ 0,5 mm ² : 5000 V r.m.s. min. 5 minutes	
Capacity of data pairs	rated to length between cores: and between each data transmission cores and all other cores in the cable:	max. 50 pF/m max. 100 pF/m

Mechanical and thermal properties

Min. bending radius	12 x cable diameter
Temperature range	fixed installation: -40 °C up to +85 °C max. conductor temperature Cable Class A acc. to DIN ISO 6722 clause 1
Flammability	flame retardant in acc. with DIN ISO 6722 clause 12
Tests	acc. to DIN ISO 6722 clause 1 up to 4 (table 3) acc. to DIN ISO 4141 part 1, 2 and 4
Outer diameter	s. table 1

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Table 1

Number of cores & cross section [mm ²]	Colour code ref. to cross section	Acc. to ISO connector standard	Outer diameter ca. [mm]	Part No.
2 x 1.0	WH/BK	3731 / 24 S	6.0	7027080
2 x 1.0	WH/BN		6.0	7027081
3 x 1.0	WH/BN/BU latest ISO version		6.3	7027022
3 x 1.0	BK/BN/BU		6.3	7027082
4 x 1.0	WH/BK/RD/BN		6.8	7027083
5 x 1.0	WH/BN/GN/RD/GY		7.5	7027084
5 x 1.0 + 1 x 2.5	(1.0mm ²) BN/GN/RD/GY/VT (2.5mm ²) WH		9.0	7027025
5 x 1.0 + 1 x 2.5	(1.0mm ²) GN/BN/RD/BU/VT (2.5mm ²) WH		9.0	7027085
5 x 1.0 + 1 x 2.5	(1.0mm ²) YE/BK/RD/BU/VT (2.5mm ²) WH		9.0	7027086
2 x 1.5	WH/BK	3731 / 24 S	6.6	7027020
2 x 1.5	WH/BN		6.6	7027021
4 x 1.5	WH/BK/RD/BN		7.5	7027038
2 x 0.75 + 2 x 1.5	(0.75 mm ²) WH/BN (1.5 mm ²) YE/GN		7.2	7027046
6 x 1.5 + 1 x 2.5	(1.5mm ²) BK/YE/RD/GN/BN/BU (2.5mm ²) WH	3731 / 24 S	10.3	7027087
7 x 0.75	WH/BK/YE/RD/GN/BN/BU		7.3	7027130
7 x 1.5	WH/BK/YE/RD/GN/BN/BU	3731 / 24 S	8.9	7027088
8 x 1.5 + 1 x 2.5	(1.5mm ²) BK/YE/RD/GN/BN/BU/GY/VT (2.5mm ²) WH		11.7	7027089
10 x 1.5 + 3 x 2.5 without data pair (24 V)	(1.5mm ²) YE/GN/BU/BK/BN/RD/PK/GY/ WH-BK/WH-BU (2.5mm ²) WH/OG/WH-RD	12098	14.4	7027031
10 x 1.5 + 3 x 2.5 without data pair (24 V)	white with black numbering (1.5mm ²) No. 1-3; 5-8; 10-12 (2.5mm ²) No. 4; 9; 13	11446	14.4	7027091
2 x 6.0 + 3 x 1.5	(6.0mm ²) RD/BN (1.5mm ²) BK/YE/WH	7638	11.4	7027092
18 x 1.5	white with black numbering		13.7	7027024
32 x 1.5	white with black numbering		16.1	7027032
10 x 1.5 + 3 x 2.5 + 1x(2 x 1.5) with data pair (24 V)	(1.5mm ²) YE/GN/BU/BK/BN/RD/PK/GY WH-BK/WH-BU (2.5mm ²) WH/OG/WH-RD data pair (1.5mm ²) WH-GN/WH-BN	12098	14.4	7027030
10 x 1.5 + 3 x 2.5 + 1x(2x1.5) with data pair (24 V)	white with black numbering (1.5mm ²) No. 1-3; 5-8; 10-12 (2.5mm ²) No. 4; 9; 13 data pair (1.5mm ²) 14+15	12098	14.4	7027090
2 x 6.0 + 3 x 1.5 + 1x(2x1.5)	(6.0mm ²) RD/BN (1.5mm ²) BK/YE/WH; (WH-GY/WH-BN)	7638	12.1	7027093
2 x 4.0 + 3 x 1.5 + 1x(2x1.5) type ELB	(4.0mm ²) RD/BN (1.5mm ²) BK/YE/WH; (WH-GY/WH-BN)	7638	11.5	7027094