


7027080	DATA SHEET	
valid from: 01.01.2019	ÖLFLEX® TRUCK 470 P FLRYY 11Y	

Application

ÖLFLEX® TRUCK 470 P FLRYY 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 Auto Service GmbH (EGG: Abbrev. For: Electrical equipment for vehicles transporting hazardous goods).

Design

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

Electrical properties at 20°C

Specific volume resistivity	> 20 G Ω x cm
Mutual capacitance	Capacity of data pairs length related between cores: max. 50 pF/m and between each data transmission cores and all other cores in the cable: max. 100 pF/m
Rated 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

Mechanical and thermal properties

Minimum 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

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Table 1

Part No.	Dimension [mm ²]	Colour code acc. to cross section	Acc. to ISO con- nector standard	Outer Ø ca. [mm]
7027080	2 x 1.0	WH/BK	3731/24 S (24V)	6.0
7027081	2 x 1.0	WH/BN		6.0
7027022	3 x 1.0	WH/BN/BU latest ISO version		6.3
7027082	3 x 1.0	BK/BN/BU		6.3
7027083	4 x 1.0	WH/BK/RD/BN		6.8
7027084	5 x 1.0	WH/BN/GN/RD/GY		7.5
7027025	5 x 1.0 + 1 x 2.5	(1.0mm ²) BN/GN/RD/GY/VT (2.5mm ²) WH		9.0
7027085	5 x 1.0 + 1 x 2.5	(1.0mm ²) GN/BN/RD/BU/VT (2.5mm ²) WH		9.0
7027086	5 x 1.0 + 1 x 2.5	(1.0mm ²) YE/BK/RD/BU/VT (2.5mm ²) WH		9.0
7027020	2 x 1.5	WH/BK	3731/24 S (24V)	6.6
7027021	2 x 1.5	WH/BN		6.6
7027038	4 x 1.5	WH/BK/RD/BN		7.5
7027046	2 x 0.75 + 2 x 1.5	(0.75 mm ²) WH/BN (1.5 mm ²) YE/GN		7.2
7027087	6 x 1.5 + 1 x 2.5	(1.5mm ²) BK/YE/RD/GN/BN/BU (2.5mm ²) WH	3731/24 S (24V)	10.3
7027130	7 x 0.75	WH/BK/YE/RD/GN/BN/BU		7.3
7027088	7 x 1.5	WH/BK/YE/RD/GN/BN/BU	3731/24 S (24V)	8.9
7027089	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
7027031	10 x 1.5 + 3 x 2.5 without DP	(1.5mm ²) YE/GN/BU/BK/BN/RD/PK/GY/ WH-BK/WH-BU (2.5mm ²) WH/OG/WH-RD	12098 (24V)	14.4
7027091	10 x 1.5 + 3 x 2.5 without DP	white with black numbering (1.5mm ²) No. 1-3; 5-8; 10-12 (2.5mm ²) No. 4; 9; 13	11446-1 (12V)	14.4
7027092	2 x 6.0 + 3 x 1.5	(6.0mm ²) RD/BN (1.5mm ²) BK/YE/WH	7638-1 (24V) 7638-2 (12V)	11.4
7027024	18 x 1.5	white with black numbering		13.7
7027032	25 x 1.5	white with black numbering		16.1
7027030	10 x 1.5 + 3 x 2.5 + 1x(2 x 1.5) with DP	(1.5mm ²) YE/GN/BU/BK/BN/RD/PK/GY WH-BK/WH-BU (2.5mm ²) WH/OG/WH-RD DP (1.5mm ²) WH-GN/WH-BN	12098 (24V)	14.4
7027090	10 x 1.5 + 3 x 2.5 + 1x(2x1.5) with DP	white with black numbering (1.5mm ²) No. 1-3; 5-8; 10-12 (2.5mm ²) No. 4; 9; 13 DP (1.5mm ²) 14+15	12098 (24V)	14.4
7027093	2 x 6.0 + 3 x 1.5 + 1x(2x1.5) type EBS	(6.0mm ²) RD/BN (1.5mm ²) BK/YE/WH; (WH-GY/WH-BN)	7638-1 (24V) 7638-2 (12V)	12.1
7027094	2 x 4.0 + 3 x 1.5 + 1x(2x1.5) type EBS	(4.0mm ²) RD/BN (1.5mm ²) BK/YE/WH; (WH-GY/WH-BN)	7638-1 (24V) 7638-2 (12V)	11.5
		DP = data pair		

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