

<b>7027060</b>	<b>DATA SHEET</b>	
<b>valid from: 06.06.2023</b>	<b>ÖLFLEX® TRUCK 170 FLRYY</b>	

## Application

ÖLFLEX® TRUCK 170 FLRYY are cold flexible, UV resistant PVC hose cables designed for use in commercial vehicles under medium mechanical load conditions. Due to the ADR certificate the product is approved for electrical equipment in trailers and semi-trailers for the transport of dangerous goods. The product is certified with the type test approval mark No. TÜ.EGG.092-04.

## Design

Design	Based on ISO 6722-1: 2011 + Technical corrigendum 1:2012 ISO 14572 ISO 4141-1, -2 and -3
Certification	TÜ.EGG.092.04 (ADR certificate)
Conductor	fine wire strands of bare copper, acc. to ISO 6722-1, table B.1
Insulation	PVC compound Data pair: PP compound
Core identification code	acc. to ISO 4141-3
Stranding	data cores stranded in pairs cores (optionally with data pair) are stranded in layers
Outer sheath	PVC outer sheath colour: Black

## Electrical properties at 20 °C

Specific volume resistivity	> 1 G $\Omega$ x mm
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
Nominal voltage	60 V DC resp. 25 V AC
Test voltage	2000 V acc. to ISO 14752, clause 5.5

## Mechanical and thermal properties

Minimum bending radius	12 x outer diameter
Temperature range	fixed installation: -40 °C up to +85 °C max. conductor temperature Temperature class A acc. to ISO 6722-1, table 1
Flammability	flame retardant acc. to ISO 14572, clause 5.2.1

**Tests** acc. to DIN ISO 6722-1, ISO 14572

**Environmental information** These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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Table 1

Part. No.	Dimension [mm <sup>2</sup> ]	Colour code, assigned to cross sections	Plug standard, ISO	Outer diameter ca. [mm]
7027035	2x0.75+2x1.5	(0.75 mm <sup>2</sup> ): WH/BN (1.5 mm <sup>2</sup> ): YE/GN		6.0
7027007	7x0.75	WH/BK/YE/RD/GN/BN/BU	Coloured like ISO 3731/ 24 S	7.6
7027060	2x1.0	WH/BK	3731/ 24 S	6.0
7027061	2x1.0	WH/BN		6.0
7027012	3x1.0	WH/BN/BU		6.3
7027062	3x1.0	BK/BN/BU		6.3
7027063	4x1.0	WH/BK/RD/BN		6.8
7027064	5x1.0	WH/BN/GN/RD/GY		7.5
7027015	5x1.0+1x2.5	(1.0 mm <sup>2</sup> ): BN/GN/RD/GY/VT (2.5 mm <sup>2</sup> ): WH		9.0
7027065	5x1.0+1x2.5	(1.0 mm <sup>2</sup> ): GN/BN/RD/BU/VT (2.5 mm <sup>2</sup> ): WH		9.0
7027016	5x1.0+1x2.5	(1.0 mm <sup>2</sup> ): BN/YE/RD/GY/VT (2.5 mm <sup>2</sup> ): WH		9.0
7027066	5x1.0+1x2.5	(1.0 mm <sup>2</sup> ): YE/BK/RD/BU/VT (2.5 mm <sup>2</sup> ): WH		9.0
7027000	2x1.5	WH/BK	3731/ 24 S	6.6
7027001	2x1.5	WH/BN		6.6
7027034	4x1.5	WH/BK/RD/BN		7.6
7027067	7x1.5	WH/BK/YE/RD/GN/BN/BU	3731/ 24 S	8.9
7027017	5x1.5+2x2.5	(1.5 mm <sup>2</sup> ): BK/YE/GN/BN/BU (2.5 mm <sup>2</sup> ): WH/RD	3731/ 24 S	10.3
7027068	6x1.5+1x2.5	(1.5 mm <sup>2</sup> ): BK/YE/RD/GN/BN/BU (2.5 mm <sup>2</sup> ): WH	3731/ 24 S	10.3
7027069	8x1.5+1x2.5	(1.5 mm <sup>2</sup> ): BK/YE/RD/GN/BN/BU + GY/VT (2.5 mm <sup>2</sup> ): WH		11.7
7027018	8x1.5+1x2.5	(1.5 mm <sup>2</sup> ): BK/YE/RD/GN/BN/BU + PK/OG (2.5 mm <sup>2</sup> ): WH		11.7
7027004	8x1.5+5x2.5	(1.5 mm <sup>2</sup> ): YE/BU/GN/BN/RD/BK/PK/WH-BU (2.5 mm <sup>2</sup> ): WH/OG/GY/WH-BK/WH-RD		14.8
7027073	9x1.5+4x2.5	WH cores with BK numbers (1.5 mm <sup>2</sup> ): no. 2, 4-8, 10-12 (2.5 mm <sup>2</sup> ): no. 1, 3, 9, 13	11446	14.8
7027074	4X6+1X1,5	(1.5 mm <sup>2</sup> ): GY (6.0 mm <sup>2</sup> ): BN/RD/BK/BU		13.7
7027070	10x1.5+3x2.5+1x(2x1.5) with data pair (PP) (24 V)	WH cores with BK numbers (1.5 mm <sup>2</sup> ): no. 1-3, 5-8, 10-12 (2.5 mm <sup>2</sup> ): no. 4, 9, 13 Data pair (1.5 mm <sup>2</sup> ): no. 14, 15	12098	14.4
7027010	10x1.5+3x2.5+1x(2x1.5) with data pair (PP) (12 V)	(1.5 mm <sup>2</sup> ): YE/GN/BU/BK/BN/RD/PK/GY/WH-BK/WH-BU (2.5 mm <sup>2</sup> ): WH/OG/WH-RD Data pair (1.5 mm <sup>2</sup> ): WH-GN/WH-BN	12098	14.4
70270072	10x1.5+3x2.5+2x(2x1.5) with data pair (PP) (24 V)	WH cores with BK numbers (1.5 mm <sup>2</sup> ): no. 1-3, 5-8, 10-12 (2.5 mm <sup>2</sup> ): no. 4, 9, 13 Data pair (1.5 mm <sup>2</sup> ): 14, 15, 16, 17		17.0
7027071	10x1.5+3x2.5 without data pair (24 V)	WH cores with BK numbers (1.5 mm <sup>2</sup> ): no. 1-3, 5-8, 10-12 (2.5 mm <sup>2</sup> ): no. 4, 9, 13	11446	14.4

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