

FLEXICS® TRUCK FLRY11Y



PUR multicore power and control cable for commercial vehicles and truck applications



DESIGN (EXAMPLE)

Conductor	bare copper conductors of fine wires in accordance with ISO 6722-1
Insulation	insulation of special compound based on polyvinylchloride (PVC) or for data transmission core / control pairs based on modified polyolefins (MPO), thin wall insulation according to ISO 6722-1
Core colours	according to ISO 4141-3, colour coded or continuously numbered, according to internal standards or according to client's requirements
Stranding	power cores with control cores and fillers (optional) in layers twisted together, optimal lay length
Separation	mineral powder or non-woven wrapping over stranding (optional)
Outer sheath	special polyurethane (PUR) outer sheath
Colour	black (similar to RAL 9005) or according to client's requirements
Marking	Ink-Jet printing (white): FLEXICS® TRUCK FLRY11Y < Number of cores > x < dimension > ADR TÜ . EGG . 269-18 <traceability code > or according to customer requirements (incl. homologation relevant details)

APPLICATION

These TPE-U sheathed cables provide optimal solution for connection between towing and towed vehicles. Due to PUR sheath cables offer high resistance to abrasion. Can be produced as SPIRAL for processing into coiled cable assemblies. ADR approval allows use in vehicles transporting hazardous goods.

SPECIAL FEATURES AND REMARKS

Multicore power and control cable for commercial vehicles and truck applications with oil- and UV- resistant PUR outer sheath. These cables are homologated in accordance with ADR 2017, part 9, ISO 6722, ISO 14572, ISO 16750-4 and ISO 16750-5.
Increased oil resistance, resistant against hydrolysis and microbes.

APPLICATION PARAMETERS



Standards:
according to ISO 6722-1 and ISO 14572, temperature class A



Approval No.:
ADR TÜ . EGG . 269 - 18



Rated voltage
max. 60 V



Test voltage
5.000 V



Temperature range
-40°C to +85°C / 3.000 h



Bending radius (min.)
12× outer diameter of the cable



Burning behaviour
acc. to ISO 6722-1 or ISO 14572 or ISO 4141

TABLE OF STANDARD ARTICLES*

Article number	Dimension N × mm ²	Core colours	Outer diameter approx. [mm]	Copper index [kg/km]
KN2114920	2×0,5	WH/BK	5,0	9,6
KN2115170	7×0,75	WH/BK/YE/RD/GN/BN/BU	7,3	50,4
KN2115320	2×1,0	WH/BK	6,0	19,2
KN2115321	2×1,0	WH/BN	6,0	19,2
KN2115330	3×1,0	WH/BN/BU or BK/BN/BU	6,3	28,8
KN2115330	4×1,0	WH/BK/RD/BN	6,8	38,4
KN2115330	5×1,0	WH/BN/GN/RD/GY	7,5	48,0
KN2115550	5×1,0+1×2,5	2,5 mm ² WH, 1,0 mm ² BN/GN/RD/GY/VT	9,0	72,0
KN2115560	6×1,0+1×1,5	WH with black numbers	8,3	72,0
KN2115620	2×1,5	WH/BK	6,6	28,8
KN2115621	2×1,5	WH/BN	6,6	28,8
KN2115820	2×1,5+2×0,75	1,5 mm ² YE/GN, 0,75 mm ² WH/BN	7,2	43,2
KN2115830	3×1,5+2×4	1,5 mm ² BK/YE/WH, 4,0 mm ² RD/BN	11,6	120,0
KN2115831	3×1,5+2×6	1,5 mm ² BK/YE/WH, 6,0 mm ² RD/BN	12,1	158,4
KN2115860	6×1,5+1×2,5	1,5 mm ² BK/YE/RD/GN/BN/BU, 2,5 mm ² WH	10,3	110,4
KN2115671	7×1,5	WH/BK/YE/RD/GN/BN/BU	8,9	100,8
KN2115880	8×1,5+1×2,5	1,5 mm ² BK/YE/RD/GN/BN/BU,+GY/VT 2,5 mm ² WH	11,7	139,2
KN2115950	10×1,5+3×2,5+1×(2×1,5) control pair (24V)	coloured	14,4	244,8
KN2115960	10×1,5+3×2,5+1×(2×1,5) control pair (24V)	WH with black numbers	14,4	244,8
KN2115910	10×1,5+3×2,5	coloured	14,4	216,0
KN2115915	10×1,5+3×2,5	WH with black numbers	14,4	216,0
KN2115718	18×1,5	WH with black numbers	13,7	259,2
KN2115725	25×1,5	WH with black numbers	16,1	360,0
KN2115750	50×1,5	WH with black numbers	23,4	720,0
KN2116620	2×4+3×1,5+1×(2×1,5)	4,0 mm ² RD/BN	11,9	148,8
KN2116820	2×6+3×1,5+1×(2×1,5)	1,5 mm ² BK/YE/WH, (WH-GY/WH-BN)	12,1	187,2
		6,0 mm ² RD/BN		
		1,5 mm ² BK/YE/WH, (WH-GY/WH-BN)		

* other dimensions on request
Subject to technical changes. Errors and omissions excepted.