

FLEXICS® TRUCK FLRY11Y



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



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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	co-extrusion of special compound based on polyvinylchloride (PVC) and special polyurethane (PUR)
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 . 268 - 18 <traceability code > or according to the customer requirements (incl. homologation relevant details)

APPLICATION

These PVC and TPE-U double sheathed cables provide optimal solution for wiring of electrical installations in commercial vehicles. Due to additional PUR sheath cables offer high resistance to abrasion. 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 . 268 - 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]
KN2112520	2×0,5	WH/BK	5,0	9,6
KN2112770	7×0,75	WH/BK/YE/RD/GN/BN/BU	7,3	50,4
KN2113021	2×1,0	WH/BK	6,0	19,2
KN2113020	2×1,0	WH/BN	6,0	19,2
KN2113031	3×1,0	WH/BN/BU	6,3	28,8
KN2113030	3×1,0	BK/BN/BU	6,3	28,8
KN2113040	4×1,0	WH/BK/RD/BN	6,8	38,4
KN2113050	5×1,0	WH/BN/GN/RD/GY	7,5	48,0
KN2113803	5×1,0+1×2,5	2,5 mm ² WH, 1,0 mm ² BN/GN/RD/GY/VT	9,0	72,0
KN2113850	6×1,0+1×1,5	WH with black numbers	8,3	72,0
KN2113220	2×1,5	WH/BK	6,6	28,8
KN2113221	2×1,5	WH/BN	6,6	28,8
KN2112920	2×1,5+2×0,75	1,5 mm ² YE/GN, 0,75 mm ² WH/BN	7,2	43,2
KN2113950	3×1,5+2×4	1,5 mm ² BK/YE/WH, 4,0 mm ² RD/BN	11,6	120,0
KN2114420	3×1,5+2×6	1,5 mm ² BK/YE/WH, 6,0 mm ² RD/BN	12,1	158,4
KN2113460	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
KN2113270	7×1,5	WH/BK/YE/RD/GN/BN/BU	8,9	100,8
KN2113480	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
KN2113510	10×1,5+3×2,5+1×(2×1,5) control pair (24V)	WH with black numbers	14,4	244,8
KN2113511	10×1,5+3×2,5+1×(2×1,5) control pair (24V)	coloured	14,4	244,8
KN2113454	10×1,5+3×2,5	coloured	14,4	216,0
KN2113410	10×1,5+3×2,5	WH with black numbers	14,4	216,0
KN2113318	18×1,5	WH with black numbers	13,7	259,2
KN2113325	25×1,5	WH with black numbers	16,1	360,0
KN2113350	50×1,5	WH with black numbers	23,4	720,0
KN2114210	2×4+3×1,5+1×(2×1,5)	4,0 mm ² RD/BN 1,5 mm ² BK/YE/WH, (WH-GY/WH-BN)	11,9	148,8
KN2114520	2×6+3×1,5+1×(2×1,5)	6,0 mm ² RD/BN 1,5 mm ² BK/YE/WH, (WH-GY/WH-BN)	12,1	187,2

* other dimensions on request

Subject to technical changes. Errors and omissions excepted.