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FLEXICS® TRUCK FLRY

PVC/PVC power and control cable for commercial
vehicles

COMMERCIAL VEHICLES AND EVC CABLES

These PVC sheathed cables provide optimal solution for wiring of electrical installations in commercial vehicles. Moreover, ADR approval allows use in vehicles transporting hazardous goods.



TECHNICAL DATA

 Standard Acc. to ISO 6722-1 and ISO 14572 / temperature class A	 Rated Voltage 60 V (U ₀ /U)	 Core identification Acc. to ISO 4141-3, colour coded or continuously numbered, according to internal standards or client's requirements
 Certificate ADR TŮ . EGG . 267 – 18	 Bending radius (min.) 12 x Ø of cable	
 Test Voltage 5000 V / 50Hz	 Fire properties ISO 6722-1, ISO 14572, ISO 4141	 Temperature range Operating temperature: -40°C up to 85°C

DESIGN



- 1 Bare copper conductors, fine wires according to ISO 6722-1
- 2 Core insulation of special compound based on polyvinyl chloride (PVC) or for data transmission core/control pairs based on modified polyolefins (MPO), thin wall insulation according to ISO 6722-1
- 3 Power supply cores stranded together with control cores and construction-related fillers (optional)
- 4 Mineral powder separation or non-woven wrapping over stranding (optional)
- 5 Outer sheath of special compound based on polyvinyl chloride (PVC), colour: black (RAL 9005) or according to customer's requirements

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	5	9.6	34
7 x 0.75	7.3	50.4	79
2 x 1	6	19.2	55
3 x 1	6.3	28.8	63
4 x 1	6.8	38.4	81
5 x 1	7.5	48	97
5 x 1 + 1 x 2.5	9	72	133
2 x 1.5	6.6	28.8	68
2 x 1.5 + 2 x 0.75	7.2	43.2	85
3 x 1.5 + 2 x 4	11.6	120	197
3 x 1.5 + 2 x 6	12.1	158.4	275
4 x 1.5	7.5	57.6	106
5 x 1.5 + 2 x 2.5	10.3	120	217
6 x 1.5 + 1 x 2.5	10.3	110.4	187
7 x 1.5	8.9	100.8	166
8 x 1.5 + 1 x 2.5	11.7	139.2	239
8 x 1.5 + 5 x 2.5	14.8	235.2	360
9 x 1.5 + 4 x 2.5	14.8	225.6	352
10 x 1.5 + 3 x 2.5 + (2 x 1.5)	14.4	244.8	391
10 x 1.5 + 3 x 2.5	14.4	216	367
50 x 1.5	23.4	720	998
2 x 4 + 3 x 1.5 + (2 x 1.5)	12.7	148.8	251
2 x 6 + 3 x 1.5 + (2 x 1.5)	13.7	187.2	316
4 x 6 + 1 x 1.5	13.7	244.8	352

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FLEXICS® TRUCK FLRYY11Y

PVC/PUR power and control cable for commercial vehicles

COMMERCIAL VEHICLES AND EVC CABLES

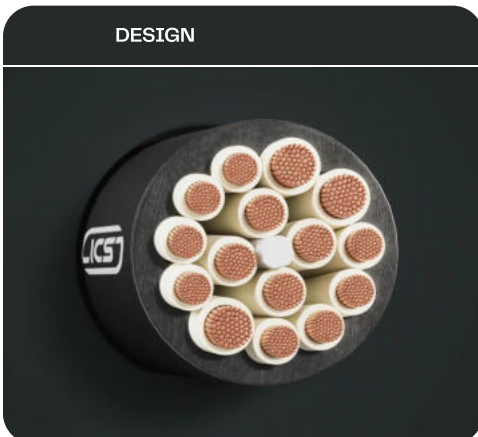
These PVC and PUR double sheathed cables provide optimal solution for wiring of electrical installations in commercial vehicles. Due to additional PUR sheath cables offer high resistance to abrasion. ADR approval allows use in vehicles transporting hazardous goods.



TECHNICAL DATA

 Standard Acc. to ISO 6722-1 and ISO 14572 / temperature class A	 Rated Voltage 60 V (U ₀ /U)	 Core identification Acc. to ISO 4141-3, colour coded or continuously numbered, according to internal standards or client's requirements
 Certificate ADR TŮ . EGG . 268 – 18	 Bending radius (min.) 12 x Ø of cable	
 Test Voltage 5000 V / 50 Hz	 Fire properties ISO 6722-1, ISO 14572, ISO 4141	 Temperature range Operating temperature: -40°C up to 85°C

DESIGN



- 1 Bare copper conductors, fine wires according to ISO 6722-1
- 2 Core insulation of special compound based on polyvinyl chloride (PVC) or for data transmission core / control pairs based on modified polyolefins (MPO), thin wall insulation according to ISO 6722-1
- 3 Power supply cores stranded together with control cores and construction-related fillers (optional)
- 4 Mineral powder separation or non-woven wrapping over stranding (optional)
- 5 Outer sheath of co-extruded special compound based on polyvinyl chloride (PVC) and special polyurethane (PUR), color: black (RAL 9005) or according to customers' requirements

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	5	9.6	37
7 x 0.75	7.3	50.4	79
2 x 1	6	19.2	55
3 x 1	6.3	28.8	67
4 x 1	6.8	38.4	81
5 x 1	7.5	48	97
5 x 1 + 1 x 2.5	9	72	133
6 x 1 + 1 x 1.5	8.3	72	187
2 x 1.5	6.6	28.8	68
2 x 1.5 + 2 x 0.75	7.2	43.2	85
3 x 1.5 + 2 x 4	11.6	120	197
3 x 1.5 + 2 x 6	12.1	158.4	275
6 x 1.5 + 1 x 2.5	10.3	110.4	187
7 x 1.5	8.9	100.8	166
8 x 1.5 + 1 x 2.5	11.7	139.2	239
10 x 1.5 + 3 x 2.5 + (2 x 1.5)	14.4	244.8	395
10 x 1.5 + 3 x 2.5	14.4	216	367
18 x 1.5	13.7	259.2	407
25 x 1.5	16.1	360	560
50 x 1.5	23.4	720	998
2 x 4 + 3 x 1.5 + (2 x 1.5)	11.9	148.8	257
2 x 6 + 3 x 1.5 + (2 x 1.5)	12.1	187.2	321

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FLEXICS® TRUCK FLRY11Y

PVC/PUR power and control cable for commercial vehicles

COMMERCIAL VEHICLES AND EVC CABLES

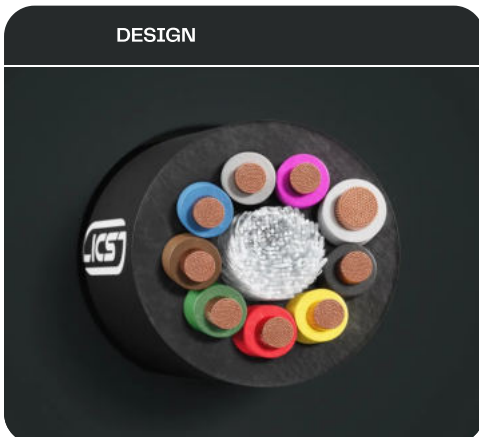
These PUR sheathed cables provide optimal solution for connection between towing and towed vehicles. Due to PUR sheath cables offer high resistance to abrasion. Can be produced as SPIRAL for processing into coiled cable assemblies. ADR approval allows use in vehicles transporting hazardous goods.



TECHNICAL DATA

 Standard Acc. to ISO 6722-1 and ISO 14572 / temperature class A	 Rated Voltage 60 V (U ₀ /U)	 Core identification Acc. to ISO 4141-3, colour coded or continuously numbered, according to internal standards or client's requirements
 Certificate ADR TŮ . EGG . 269 – 18	 Bending radius (min.) 12 x Ø of cable	
 Test Voltage 5000 V / 50Hz	 Fire properties ISO 6722-1, ISO 14572, ISO 4141	 Temperature range Operating temperature: -40°C up to 85°C

DESIGN



- 1 Bare copper conductors, fine wires according to ISO 6722-1
- 2 Core insulation of special compound based on polyvinyl chloride (PVC) or for data transmission core / control pairs based on modified polyolefins (MPO), thin wall insulation according to ISO 6722-1
- 3 Power supply cores stranded together with control cores and construction-related fillers (optional)
- 4 Mineral powder separation or non-woven wrapping over stranding (optional)
- 5 Outer sheath of special compound based on polyurethane (PUR), colour: black (RAL 9005) or according to customer's requirements

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	5	9.6	37
7 x 0.75	7.3	50.4	79
2 x 1	6	19.2	55
3 x 1	6.3	28.8	67
4 x 1	6.8	38.4	81
5 x 1	7.5	48	97
5 x 1 + 1 x 2.5	9	72	133
6 x 1 + 1 x 1.5	8.3	72	187
2 x 1.5	6.6	28.8	68
2 x 1.5 + 2 x 0.75	7.2	43.2	85
3 x 1.5 + 2 x 4	11.6	120	197
3 x 1.5 + 2 x 6	12.1	158.4	275
6 x 1.5 + 1 x 2.5	10.3	110.4	187
7 x 1.5	8.9	100.8	166
8 x 1.5 + 1 x 2.5	11.7	139.2	239
10 x 1.5 + 3 x 2.5 + (2 x 1.5)	14.4	244.8	395
10 x 1.5 + 3 x 2.5	14.4	216	367
18 x 1.5	13.7	259.2	407
25 x 1.5	16.1	360	560
50 x 1.5	23.4	720	998
2 x 4 + 3 x 1.5 + (2 x 1.5)	11.9	148.8	257
2 x 6 + 3 x 1.5 + (2 x 1.5)	12.1	187.2	321

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FLEXICS® TRUCK TWIN FLYY

PVC/PVC twin battery cable for commercial
vehicles

COMMERCIAL VEHICLES AND EVC CABLES

Flat twin battery PVC sheathed cables for usage in vehicles. Connection and control cable between the voltage source and electrical appliances, e.g. for tail lifts, etc.



TECHNICAL DATA



Standard

Acc. to ISO 6722-1 and ISO 14572 / temperature class A



Test Voltage

3000 V / 50 Hz



Rated Voltage

60 V (U₀/U)



Bending radius (min.)

15 x Ø of cable



Fire properties

ISO 6722-1, ISO 14572, ISO 4141



Core identification

Black and red



Temperature range

Operating temperature: -40°C up to 85°C

DESIGN



1

Bare copper conductors, fine wires according to ISO 6722-1

2

Core insulation of special compound based on polyvinyl chloride (PVC)

3

Outer sheath of special compound based on polyvinyl chloride (PVC), colour: black (RAL 9005)

Number of cores x nominal cross-section (mm ²)	Outer dimensions width x height (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 6	15.2 x 7.4	115.2	201
2 x 10	18.8 x 9	192	304
2 x 16	20.9 x 10	307.2	442
2 x 25	25.6 x 12.4	480	671
2 x 35	28 x 13.7	672	883
2 x 50	33 x 17	960	1261
2 x 70	35.1 x 16.8	1344	1799

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FLEXICS® CHARGE EVC H07BZ5-F

VDE approved charging cable for electro vehicles

COMMERCIAL VEHICLES AND EVC CABLES

Our FLEXICS® CHARGE EVC cables have been developed especially as charging cables for electro vehicles.



TECHNICAL DATA



Standard
EN 50620; IEC 62893



Certificate
VDE Certificate No. 40052200



Test Voltage
2500 V / 50 Hz



Rated Voltage
450/750 V (Uo/U)



Bending radius (min.)
Fixed installation: 5 x Ø of cable
Flexible use: 15 x Ø of cable



Fire properties
EN 60332-1-2: self-extinguishing and
flame retardant
halogen-free: EN 5052:2011 Annex B or
IEC 62821-1:2015 Annex B

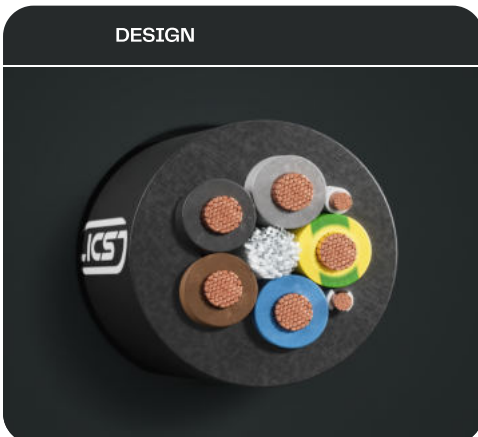


Core identification
Colour code acc. to HD 308 S2 with one
or two control / pilot core(s) coloured
and numbered



Temperature range
Operating temperature: -40°C up to
90°C

DESIGN



1

Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228 (optional tinned copper wires)

2

Power supply cores of special halogen-free compound based on cross-linked polymer (XLPE), compound type EVI-2

3

Control core insulation of special thermoplastic elastomer, compound type EVI-1 or special cross-linked polymer (XLPE), compound type EVI-2

4

Power supply cores stranded together with control cores and construction-related fillers (optional)

5

Non-woven tape separation (optional)

6

Outer sheath of special thermoplastic halogen-free flame retardant compound based on polyurethane (PUR), compound type EVM-1

Number of cores x nominal cross-section (mm ²)	CC / CP Cores (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
3 x 1.5	1...2 x 0,5...1,0	9.1	48.0	110
3 x 2.5	1...2 x 0,5...1,0	10.2	76.8	152
4 x 2.5	1...2 x 0,5...1,0	11.7	100.8	196
5 x 2.5	1...2 x 0,5...1,0	12.7	124.8	230
3 x 4	1...2 x 0,5...1,0	12.3	120.0	225
4 x 4	1...2 x 0,5...1,0	13.6	158.4	281
5 x 4	1...2 x 0,5...1,0	15.4	196.8	344
3 x 6	1...2 x 0,5...1,0	13.5	177.6	296
4 x 6	1...2 x 0,5...1,0	15.4	235.2	382
5 x 6	1...2 x 0,5...1,0	16.5	292.8	446

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