

# FLEXICS® TRUCK SPIRAL FLR9Y12Y



TPE-E Multicore connecting cable for road vehicles, temperature class B



## DESIGN (EXAMPLE)

Conductor	bare copper conductors of fine wires in accordance with ISO 6722-1
Insulation	insulation of special compound 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 standard 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 polyester (TPE-E) outer sheath
Colour	black (similar to RAL 9005)
Marking	Ink-Jet printing (white): FLEXICS® TRUCK SPIRAL FLR9Y12Y < Number of cores > x < dimension > <traceability code > or according to customer requirements

## APPLICATION

These TPE-E sheathed cables provide optimal solution for connection between towing and towed vehicles. Furthermore, these cables are designed for processing into coiled cable assemblies. For applications in electronic braking systems special designs with data elements are offered.

## SPECIAL FEATURES AND REMARKS

Special oil- and UV- resistant TPE-E sheath provides excellent resistance to mechanical stress, good resistance against oil and fluids, e.g. battery acid, etc. These cables are intended for the use in spiralization process as connecting cables between truck and trailer. Increased temperature range up to +105°C.

## APPLICATION PARAMETERS



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



**Rated voltage**  
max. 60 V



**Test voltage**  
5.000 V



**Temperature range**  
-40°C to +105°C / 3.000 h



**Bending radius (min.)**  
12x 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 <sup>2</sup>	Cable weight [kg/km]	Outer diameter approx. [mm]	Copper index [kg/km]
KN2117500	6 × 1,0 + 1 × 1,5	102	9,6	72,0
KN2117550	6 × 1,0 + 1 × 2,5	180	10,8	101,0
KN2117600	3 × 1,5 + 2 × 4 (ABS)	196	11,4	120,0
KN2117650	1 × 1,5 + (4 × 1,5) + 2 × 4 (EBS)	270	13,0	148,0
KN2117700	8 × 1,5 + (4 × 1,5) + 3 × 2,5 (EBS)	390	15,1	244,8

\* other dimensions on request

Subject to technical changes. Errors and omissions excepted.