



ISO 4141 / ISO 6722 Multicore Commercial Vehicle & Trailer Cables

FLRYY

Multicore Truck Cable

60 V DC multicore PVC-insulated, PVC-sheathed commercial truck & chassis cable (2 to 15 co)



60 V DC ISO 6722 / ISO 4141

FLRY Cores + PVC Outer Sheath

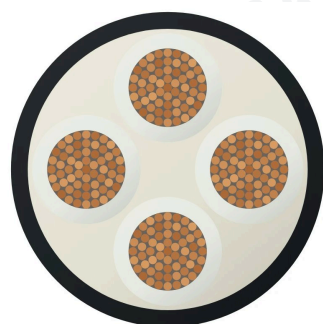
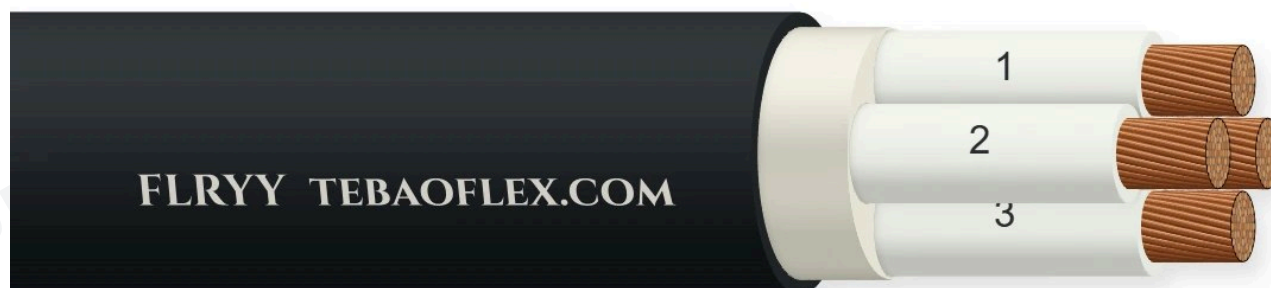
2×0.5 to 15×1.5 mm²

Application

FLRYY is a round multicore commercial vehicle, chassis and auxiliary equipment cable per ISO 6722-1, ISO 4141-3 and DIN 72551. It combines colour-coded FLRY reduced-wall Class B (-40 °C to +105 °C) PVC insulated cores with an oil-, diesel-, UV- and stone-impac

Typical uses: Heavy truck & bus chassis, Commercial body-builders & tail-lifts, Agricultural & municipal vehicles, Construction plant lighting & valves, Caravan & utility trailer looms

Construction



Cross-section, not to scale

1	Fine-stranded bare copper (FLRY-B)	ISO 6722-1
2	FLRY reduced-wall PVC core insulation	ISO 6722-1
3	Black automotive PVC outer jacket (Y)	ISO 4141-3

Technical data

Typical values

Rated voltage	60 V DC / 25 V AC	Core-to-core dielectric test	3.0 kV AC rms for 5 minutes
Insulation resistance	≥100 MΩ·km at +20 °C	Operating temperature range	-40 °C to +105 °C (FLRY cores) / -40 °C to +90/+105 °C (sheath)
Cold bend & impact	-40 °C low-temperature winding without sheath cracking	Core construction	FLRY-B reduced-wall cores cabled with short pitch
Minimum bending radius	6 × overall diameter (fixed) · 10 × OD (occasional flexing)	Chassis fluids & chemicals	Resistant to diesel, motor oil, hydraulic fluid, AdBlue/DEF, road salt & battery acid
Flame retardancy	Self-extinguishing per ISO 6722-1 45° flame test	Standards	ISO 6722-1, ISO 4141-3 & DIN 72551

Sizes

16 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Designation	Cores × Size mm ²	Core Strands	Max. OD mm	Copper kg/km	Total mass ≈ kg/km	Min. bend R mm
FLRYY size range 16 sizes						
☐ FLRYY 2×0.50	2 × 0.50 mm ²	16×0.21 mm	4.40	9.6	26.0	26.4
☐ FLRYY 2×0.75	2 × 0.75 mm ²	24×0.21 mm	5.00	14.4	34.0	30.0
☐ FLRYY 2×1.00	2 × 1.00 mm ²	32×0.21 mm	5.40	19.2	42.0	32.4
☐ FLRYY 2×1.50	2 × 1.50 mm ²	30×0.26 mm	6.00	28.8	56.0	36.0
☐ FLRYY 3×0.75	3 × 0.75 mm ²	24×0.21 mm	5.30	21.6	42.0	31.8
☐ FLRYY 3×1.00	3 × 1.00 mm ²	32×0.21 mm	5.70	28.8	52.0	34.2
☐ FLRYY 3×1.50	3 × 1.50 mm ²	30×0.26 mm	6.40	43.2	71.0	38.4
☐ FLRYY 4×0.75	4 × 0.75 mm ²	24×0.21 mm	5.80	28.8	53.0	34.8
☐ FLRYY 4×1.00	4 × 1.00 mm ²	32×0.21 mm	6.30	38.4	66.0	37.8
☐ FLRYY 4×1.50	4 × 1.50 mm ²	30×0.26 mm	7.10	57.6	90.0	42.6
☐ FLRYY 5×0.75	5 × 0.75 mm ²	24×0.21 mm	6.40	36.0	65.0	38.4
☐ FLRYY 5×1.00	5 × 1.00 mm ²	32×0.21 mm	7.00	48.0	81.0	42.0
☐ FLRYY 5×1.50	5 × 1.50 mm ²	30×0.26 mm	7.80	72.0	110.0	46.8
☐ FLRYY 7×0.75	7 × 0.75 mm ²	24×0.21 mm	7.10	50.4	86.0	42.6
☐ FLRYY 7×1.00	7 × 1.00 mm ²	32×0.21 mm	7.60	67.2	106.0	45.6
☐ FLRYY 7×1.50	7 × 1.50 mm ²	30×0.26 mm	8.80	100.8	148.0	52.8

– Dimensions and maximum overall diameters conform to ISO 6722-1 / ISO 4141-3 / DIN 72551.

Electrical data

16 sizes

Cores × Size mm ²	Max. DC R @ 20 °C mΩ/m	Single wire in air A	In harness bundle A
2 × 0.50 mm ²	37.10	10	8
2 × 0.75 mm ²	24.70	13	10
2 × 1.00 mm ²	18.50	16	12
2 × 1.50 mm ²	12.70	21	16
3 × 0.75 mm ²	24.70	12	9
3 × 1.00 mm ²	18.50	15	12
3 × 1.50 mm ²	12.70	19	15
4 × 0.75 mm ²	24.70	11	9
4 × 1.00 mm ²	18.50	14	11

Cores × Size mm ²	Max. DC R @ 20 °C mΩ/m	Single wire in air A	In harness bundle A
4 × 1.50 mm ²	12.70	18	14
5 × 0.75 mm ²	24.70	10	8
5 × 1.00 mm ²	18.50	13	10
5 × 1.50 mm ²	12.70	16	12
7 × 0.75 mm ²	24.70	9	7
7 × 1.00 mm ²	18.50	11	9
7 × 1.50 mm ²	12.70	14	11

– Current ratings are reference values at +25 °C ambient; derate for multi-wire harness bundles and elevated engine-bay temperatures.

Standards and approvals

- ✓ ISO 6722-1 Class B
- ✓ ISO 4141-3 Multicore Road Vehicle
- ✓ DIN 72551
- ✓ RoHS 3 & ELV Compliant

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/flr-yy-multicore-truck-cable



Typical values for this cable type, based on ISO 6722-1 / ISO 4141-3 / DIN 72551. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.