



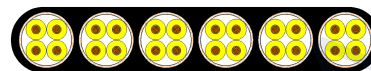
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

KYFLCY

KYFLCY (EMC-type) PVC flat cable



APPLICATION

Flexible flat EMC cable for festoon systems, hoists, transport equipment, machine tools, cranes and container cranes. Suitable for dry, humid and wet rooms, with strong bends in one level.

CONSTRUCTION

Component	Description
Conductor	Flexible stranded electrolytic copper conductors, Class 5
Insulation	PVC insulation compound for flexible festoon service
Core colours	DIN VDE 0293-308; colour-coded or number-coded by core count
Lay up	Cores arranged in a flat parallel formation
Screen	EMC screen and metallic braid around the core assembly
Outer sheath	Flexible PVC outer sheath, flame-retardant and oil-resistant
Outer sheath colour	Black

CHARACTERISTICS

- Designed for crane festoon and hoisting applications.
- Flexible construction for repeated travel and bending.
- EMC screen for improved electrical protection.
- No electromagnetic interference due to copper screening.

OPERATING CHARACTERISTICS

Parameter	Value
Nominal voltage U_0/U	$\leq 1 \text{ mm}^2$: 300/500 V; $\geq 1.5 \text{ mm}^2$: 450/750 V
Test voltage	$\leq 1 \text{ mm}^2$: 2000 V; $\geq 1.5 \text{ mm}^2$: 2500 V
Maximum conductor temperature	+70 °C
Short-circuit temperature	+150 °C
Mobile operation	-25 °C to +70 °C
Fixed installation	-40 °C to +70 °C
Minimum bending radius	10 x cable diameter
RoHS compliant	Yes

STANDARDS

Parameter	Value
Standard	DIN VDE 0295 / IEC 60228
Insulation	PVC insulation compound
Screening	Bare copper braiding
Flame retardant	IEC 60332-3-24, Category C
Oil resistance	Oil-resistant PVC cable design
Application	Hoists, transport equipment, machine tools, cranes and container cranes

TECHNICAL DATA

Values are technical parameters only. Cable dimensions may vary due to manufacturing tolerances.

Product name	Dimensions H x W mm	Weight ca. kg/km	Cu weight kg/km
KYFLCY			
KYFLCY-OB 5 x 0.5	4.8 x 20.2	119	75
KYFLCY-JZ 16 x 1 Bd	9.4 x 34.5	565	315
KYFLCY-O 4 x 1.5	5.4 x 16.6	169	91
KYFLCY-J 4 x 1.5	5.4 x 16.6	169	91
KYFLCY-O 8 x 1.5	5.4 x 31.2	382	220
KYFLCY-J 8 x 1.5	5.4 x 31.2	382	220
KYFLCY-O 12 x 1.5	5.4 x 45.8	560	330
KYFLCY-J 12 x 1.5	5.4 x 45.8	560	330
KYFLCY-J 4 x 2.5	6.4 x 19.8	250	168
KYFLCY-J 4 x 4	7.0 x 22.0	320	208
KYFLCY-J 4 x 6	7.8 x 25.2	480	325
KYFLCY-J 4 x 10	9.7 x 31.2	675	518
KYFLCY-J 4 x 16	10.8 x 36.7	950	720
KYFLCY-J 4 x 25	13.1 x 44.7	1550	1100
KYFLCY-JB 4 x 35	17.6 x 55.2	1860	1510
KYFLCY-J 4 x 50	On request	2500	2197
KYFLCY-J 4 x 95	20.5 x 73.0	4850	4160

NOTES

- Standard length cable packing is 500 m on drums.
- Other forms of packing and delivery are available on request.

CERTIFICATIONS



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