



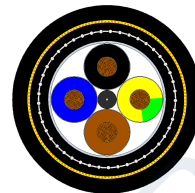
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

PUR-C-HF EMC FESTOON CABLE

PUR-C-HF EMC festoon and drag chain cable



APPLICATION

Energy and control cable for festoon systems and drag chains. The PUR sheath protects against hydrolysis, solvents, alkalines and oils, while the copper screen protects against electromagnetic effects.

CONSTRUCTION

Component	Description
Conductor	Class 5 flexible stranded copper
Insulation	Halogen-free compound
Lay up	Central textile strength member; cores laid up in concentric layers
Inner sheath	PUR-HF polyurethane halogen-free, flame retardant
Screen	TCWB tinned copper wire braid, minimum 80% coverage
Outer sheath	PUR-HF polyurethane halogen-free, flame retardant
Core identification	4 core: GN/YE, brown, black, grey; 5 core: GN/YE, blue, brown, black, grey; from 6 cores: white cores with black numbers
Sheath colour	Black, yellow or orange

CHARACTERISTICS

- Designed for festoon systems and drag chains.
- PUR sheath resists hydrolysis, solvents, alkalines and oils.
- Copper screen reduces electromagnetic effects.
- Suitable for strong dynamic bending service.

OPERATING CHARACTERISTICS

Parameter	Value
Voltage rating U _o /U	0.6/1 kV
Fixed installation	-50 °C to +80 °C
Mobile operation	-40 °C to +80 °C
Minimum bending radius	6 x overall diameter fixed; 8 x overall diameter mobile
Maximum tensile load	15 N/mm ²
Maximum torsion	+/-25 °/m
Travel speed	Festoon up to 200 m/min; reeling up to 60 m/min horizontal and 200 m/min vertical; chain up to 200 m/min vertical
RoHS compliant	Yes

STANDARDS

Parameter	Value
Standards	IEC 60502, IEC 60228, DIN VDE 0293-308
Additional standards	DIN VDE 0472-501/-503/-508, DIN VDE 0472-303/-401/-402/-602/-615, DIN VDE 0250-1
Flame performance	IEC 60332-1; HD/EN/IEC 60811-2-1; DIN VDE 0473-811-2-1
Screen	Copper screen for protection against electromagnetic effects
RoHS compliant	Yes
Application	Energy and control cable for festoon systems and drag chains

TECHNICAL DATA

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

No. of cores	Nominal cross sectional area mm2	Nominal overall diameter min. mm	Nominal overall diameter max. mm	Nominal weight kg/km
4	1.5	10.8	12.0	232
4	2.5	12.1	13.2	248
4	6	15.1	16.3	426
4	10	18.4	19.6	636
4	16	21.2	22.5	932
4	25	24.5	26.2	1400
4	35	29.6	31.6	1820
4	50	35.1	37.6	2510
5	1.5	10.9	12.1	260
5	2.5	12.8	14.0	268
5	4	13.8	15.0	344
7	1.5	10.9	12.1	270
12	1.5	15.0	16.2	360
12	2.5	17.0	18.8	520
18	1.5	15.4	17.2	424
18	2.5	17.5	19.2	630

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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