



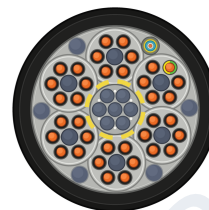
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

BSKT XPRT SYSLTOE FO BASKET SPREADER CABLE

Flexible low-voltage PUR cable for vertical basket operation



APPLICATION

Supply cable for heavy mechanical loads in vertical basket operation, indoors and outdoors. Suitable for spreader applications with suspension lengths up to 50 m and operating speeds up to 160 m/min.

KEY FEATURES

Parameter	Value
Application	Supply cable for heavy mechanical loads in vertical basket operation
Dynamic service	Suitable for multiple changes of direction and suspension lengths up to 50 m
Support system	Aramid threads around lead ball cords; larger designs use aramid-reinforced filler
Environmental resistance	For indoor and outdoor use; resistant to ozone, UV rays and dampness

DESIGN

Parameter	Value
Conductor	Bare copper, exceptionally finely stranded class FS
Insulation	Thermoplastic insulation
Sheath	Polyurethane, black
Type	SYSLTOE FO; basket spreader cable

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage U_0/U	0.6 / 1 kV
Maximum AC operating voltage	1.2 kV in three-phase systems
Test voltage	3.5 kV
Ampacity	According to VDE 0298-4
Conductor temperature	90 deg C; short circuit 250 deg C
Ambient temperature, fixed	-50 deg C to +90 deg C
Ambient temperature, moved	-40 deg C to +90 deg C
Minimum bending radius, moving	45 x D
Tensile strength	15 N/mm ² maximum at conductor
Operating speed	160 m/min
Protective conductor	Yes
Core identification	Green-yellow plus numbers
Optical fiber	E9/125, G50/125 or G62.5/125 options
Installation note	Lay cable into basket in counter-clockwise direction

TECHNICAL DATA

SYSLTOE FO BASKET SPREADER CABLE - CONFIGURATIONS 1-12						
Configuration	Resistance Ohm/km	Ampacity A	Short circuit kA	Outer diameter mm	Copper kg	Net weight kg
18x2.5 + 6 E9/125	7.98	30	0.36	32.1	432	1,700
18x2.5 + 6G50/125	7.98	30	0.36	32.1	432	1,673
18x2.5 + 6G62.5/125	7.98	30	0.36	32.1	432	1,700
24x2.5 + 12 E9/125	7.98	30	0.36	34.1	576	2,175
24x2.5 + 12G50/125	7.98	30	0.36	34.1	576	2,175
24x2.5 + 12G62.5/125	7.98	30	0.36	34.1	576	2,175
30x2.5 + 6 E9/125	7.98	30	0.36	37.5	720	2,724
30x2.5 + 6G50/125	7.98	30	0.36	37.5	720	2,724
30x2.5 + 6G62.5/125	7.98	30	0.36	37.5	720	2,724
36x2.5 + 6 E9/125	7.98	30	0.36	39.8	864	3,519
36x2.5 + 12 E9/125	7.98	30	0.36	39.8	864	3,520
36x2.5 + 6G50/125	7.98	30	0.36	39.8	864	3,519

TECHNICAL DATA

SYSLTOE FO BASKET SPREADER CABLE - CONFIGURATIONS 13-24						
Configuration	Resistance Ohm/km	Ampacity A	Short circuit kA	Outer diameter mm	Copper kg	Net weight kg
36x2.5 + 12G50/125	7.98	30	0.36	39.8	864	3,520
36x2.5 + 6G62.5/125	7.98	30	0.36	39.8	864	3,519
36x2.5 + 12G62.5/125	7.98	30	0.36	39.8	864	3,520
42x2.5 + 12 E9/125	7.98	30	0.36	44.3	1,008	4,087
42x2.5 + 12G50/125	7.98	30	0.36	44.3	1,008	4,087
42x2.5 + 12G62.5/125	7.98	30	0.36	44.3	1,008	4,087
48x2.5 + 12 E9/125	7.98	30	0.36	48.5	1,152	3,937
48x2.5 + 12G50/125	7.98	30	0.36	48.5	1,152	3,890
48x2.5 + 12G62.5/125	7.98	30	0.36	48.5	1,152	3,937
48x2.5 + 18 E9/125	7.98	30	0.36	48.5	1,152	3,938
48x2.5 + 18G50/125	7.98	30	0.36	48.5	1,152	3,938
48x2.5 + 18G62.5/125	7.98	30	0.36	48.5	1,152	3,938

CONSTRUCTION AND APPLICATION NOTES

Parameter	Value
Installation note	Lay cable into the basket in a counter-clockwise direction
Support	Aramid threads woven around lead ball cords; larger designs use aramid-reinforced filler
Bending	45 x D moving application
Environment	Indoor and outdoor use; resistant to ozone, UV rays and dampness

CERTIFICATIONS



TEBAOFLEX CABLE