



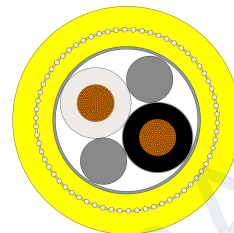
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE W MAGNET CRANE CABLE

2000 V thermoset cable for severe-duty magnet crane service



APPLICATION

Extra-flexible Type W cable for magnet cranes operating in scrap yards, foundries and other areas with severe risk of metal cut-through, puncture, tearing, abrasion and impact.

KEY FEATURES

Parameter	Value
Application	Magnet crane cable for scrap yards, foundries and severe metal cut-through environments
Voltage rating	2000 V Type W, UL listed for wet or dry service
Temperature range	105 deg C continuous operation to -50 deg C
Protection	Double-layer aramid-reinforced thermoset jacket for cut, tear, abrasion and impact resistance

DESIGN

Parameter	Value
Conductor	Extra-flexible Class K rope stranding, soft-drawn uncoated copper
Separator	Paper separator for easy stripping
Insulation	Color-coded thermoset EPDM insulation
Jacket	Double-layer aramid fiber-reinforced thermoset jacket

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage	2000 V
Operating temperature	105 deg C to -50 deg C
Conductor	Extra-flexible Class K copper
Insulation	Thermoset EPDM, color coded
Jacket	Aramid fiber-reinforced thermoset
Standards	UL 62; ANSI/NEMA WC58; ICEA S-75-381
Certifications	UL listed Type W; CSA Type W
Flame rating	FT1
Application	Magnet cranes in scrap yards, foundries and similar severe-duty areas

TECHNICAL DATA

TYPE W - DIMENSIONS AND ELECTRICAL DATA (1)								
Configuration	AWG	Stranding	Insulation thickness in (mm)	Jacket thickness in (mm)	Cable O.D. in (mm)	Ampacity A	Minimum bend diameter in (mm)	Approx. weight lbs/Mft (kg/km)
2 conductor	8	168/30	0.060 (1.5)	0.125 (3.2)	0.880 (22.4)	81	7.0 (177.8)	455 (677)
4 conductor	8	168/30	0.060 (1.5)	0.140 (3.6)	1.040 (26.4)	56	8.0 (203.2)	612 (911)
2 conductor	6	259/30	0.060 (1.5)	0.125 (3.2)	0.945 (24.0)	107	8.0 (203.2)	574 (854)
4 conductor	6	259/30	0.060 (1.5)	0.140 (3.6)	1.110 (28.2)	75	9.0 (228.6)	834 (1241)
2 conductor	4	420/30	0.060 (1.5)	0.140 (3.6)	1.075 (27.3)	142	9.0 (228.6)	749 (1115)
4 conductor	4	430/30	0.060 (1.5)	0.175 (4.4)	1.300 (33.0)	98	10.0 (254.0)	1190 (1771)

CONSTRUCTION AND APPLICATION NOTES

Parameter	Value
Conductor	Extra-flexible rope stranding, Class K, soft-drawn uncoated copper
Cabling	Non-wicking, hygroscopic fillers increase impact resistance during flexing
Jacket	Double-layer aramid fiber-reinforced thermoset jacket
Working temperature	105 deg C continuous operation to -50 deg C
Installation	Basket-weave grips of at least 12 in length are recommended

TECHNICAL DATA

TYPE W - DIMENSIONS AND ELECTRICAL DATA (2)								
Configuration	AWG	Stranding	Insulation thickness in (mm)	Jacket thickness in (mm)	Cable O.D. in (mm)	Ampacity A	Minimum bend diameter in (mm)	Approx. weight lbs/Mft (kg/km)
2 conductor	2	665/30	0.060 (1.5)	0.155 (3.9)	1.235 (31.4)	189	10.0 (254.0)	1042 (1551)
4 conductor	2	665/30	0.060 (1.5)	0.190 (4.8)	1.480 (37.6)	132	12.0 (304.8)	1679 (2499)
2 conductor	1	836/30	0.080 (2.0)	0.170 (4.3)	1.460 (37.1)	221	12.0 (304.8)	1585 (2359)
2 conductor	1/0	1045/30	0.080 (2.0)	0.170 (4.3)	1.608 (40.6)	256	13.0 (330.2)	1868 (2780)
2 conductor	2/0	1330/30	0.080 (2.0)	0.170 (4.3)	1.630 (41.4)	296	13.0 (330.2)	1926 (2866)

COMPLIANCE AND SERVICE NOTES	
Parameter	Value
Insulation	Color-coded thermoset EPDM per UL 62 and ANSI/NEMA WC58 ICEA S-75-381
Jacket performance	Aramid reinforcement improves strength, cut-through and abrasion resistance
Approvals	UL listed Type W, 2000 V, 90 deg C wet or dry; CSA Type W, 2000 V, FT1
Color code	Black, white, red and green conductor identification
Data note	Dimensions and ratings are nominal and subject to normal manufacturing tolerances

CERTIFICATIONS



TEBAOFLEX CABLE