

SEMOFLEX

Reeling cable, halogen free, cold weather resistant



0,6/1kV 12x2,5 mm² FHF *CE* ROHS J2

Construction

Conductors:	Plain copper finely stranded, Class 5
Insulation:	Special polyester base
Inner sheath:	Special polyurethane, yellow support braid consisting of textile threads
Outer sheath:	Special PUR
Outer sheath Color:	Yellow (black on request)

Features

- Halogen-free and flame resistant
- Oil Resistant acc. DIN VDE 0472 part 803 test type B
- Speed up to 650 Ft/min. (higher speed on request)

Approvals

- UL
- CSA
- VDE

Technical details

Temperature range:	-45°C up to 90°C (static), -40°C up to 90°C (dynamic)
Nominal Voltage rating:	600/1000 V
Bending radius:	5 x OD 7.5 x OD suggested for high speed

Application

For use in wet and dry locations where high mechanical stress is involved, explosive environments, hoisting, transportation systems, cable reels, traction motors and agricultural machinery.

CONTROL CABLE

Part Number	Cross section mm ² (AWG)	OD mm (Inch)	CU weight kg/km (lbs/Mft)	Cable weight kg/km (lbs/Mft)	Tensile/Strength N/Lb	Ampacity A
B2730040150	4 x 1.5 (16)	10.2 (0.40)	59 (39.70)	157 (105)	300	23
B2730050150	5 x 1.5 (16)	10.8 (0.425)	74 (49.80)	176 (118)	418	23
B2730070150	7 x 1.5 (16)	12.9 (0.51)	104 (70.00)	245 (165)	583	23
B2730120150	12 x 1.5 (16)	18.4 (0.72)	178 (119.80)	337 (226)	990	23
B2730180150	18 x 1.5 (16)	18.6 (0.73)	259 (174.30)	526 (353)	1485	23
B2730240150	24 x 1.5 (16)	21.3 (0.84)	356 (239.50)	662 (445)	1980	23
B2730240150BD*	24 x 1.5 Bd (16)	23.2 (0.91)	356 (239.50)	680 (475)	2770	23
B2730300150	30 x 1.5 (16)	24.6 (0.97)	446 (300.10)	901 (585)	1980	23
B2730300150BD*	30 x 1.5 Bd (16)	27.4 (1.08)	446 (300.10)	920 (620)	2475	23
B2730360150	36 x 1.5 (16)	25.4 (1.00)	535 (360.00)	934 (670)	2970	23
B2730360150BD*	36 x 1.5 Bd (16)	29.0 (1.14)	535 (360.00)	953 (740)	4150	23

Part Number	Cross section mm2 (AWG)	OD mm (Inch)	CU weight kg/km (lbs/Mft)	Cable weight kg/km (lbs/Mft)	Tensile/Strenght N/Lb	Ampacity A
B2730420150	42 x 1.5 (16)	26.5 (1.04)	624 (419.90)	1175 (790)	3465	23
B2730420150BD*	42 x 1.5 Bd (16)	33.5 (1.28)	624 (419.90)	1286 (865)	4840	23
B2730040250	4 x 2.5 (12)	11.7 (0.46)	99 (66.60)	208 (139)	550	30
B2730050250	5 x 2.5 (12)	12.7 (0.50)	124 (83.40)	263 (177)	693	30
B2730070250	7 x 2.5 (12)	14.8 (0.58)	173 (116.40)	327 (220)	968	30
B2730120250	12 x 2.5 (12)	20.4 (0.80)	297 (199.80)	533 (351)	1650	30
B2730180250	18 x 2.5 (12)	21.1 (0.83)	446 (300.10)	725 (487)	2475	30
B2730240250	24 x 2.5 (12)	24.8 (0.97)	594 (399.70)	1075 (723)	3300	30
B2730240250BD*	24 x 2.5 Bd (12)	26.4 (1.04)	594 (399.70)	1098 (739)	4620	30
B2730300250	30 x 2.5 (12)	27.6 (1.09)	743 (499.90)	1295 (871)	4125	30
B2730300250BD*	30 x 2.5 Bd (12)	28.8 (1.13)	743 (499.90)	1381 (929)	5775	30
B2730360250	36 x 2.5 (12)	28.2 (1.11)	864 (581.30)	1410 (948)	4950	30
B2730360250BD*	36 x 2.5 Bd (12)	32.4 (1.28)	864 (581.30)	1739 (1170)	6930	30
B2730420250	42 x 2.5 (12)	31.4 (1.24)	1040 (699.80)	1511 (1016)	5775	30
B2730420250BD*	42 x 2.5 Bd (12)	33.5 (1.32)	1040 (699.90)	1848 (1243)	8085	30
B2730490250BD*	49 x 2.5 Bd (12)	38.0 (1.50)	1213 (816.20)	2271 (1528)	9416	30

*BD = Reinforced version, higher Tensile/Strenght

POWER CABLE

Part Number	Cross section mm2 (AWG)	OD mm (Inch)	CU weight kg/km (lbs/Mft)	Cable weight kg/km (lbs/Mft)	Tensile / Strenght N/Lb	Ampacity A
B2730040400	4 x 4 (12)	12.5 (0.49)	158.0 (106.30)	270 (181)	880	41
B2730050400	5 x 4 (12)	14.3 (0.56)	198.0 (133.20)	362 (243)	1100	41
B2730040600	4 x 6 (10)	16.9 (0.66)	238.0 (160.10)	409 (275)	1320	53
B2730050600	5 x 6 (10)	17.8 (0.70)	297.0 (199.80)	511 (343)	1650	53
B2730070600	7 x 6 (10)	20.9 (0.82)	416.0 (279.90)	715 (480)	2310	53
B2730041000	4 x 10 (8)	19.6 (0.77)	396.0 (266.40)	633 (425)	2200	74
B2730051000	5 x 10 (8)	20.9 (0.82)	495.0 (333.10)	766 (515)	2750	74
B2730071000	7 x 10 (8)	25.8 (1.01)	693.0 (466.30)	1040 (701)	3850	74
B2730041600	4 x 16 (6)	23.8 (0.94)	634.0 (426.60)	936 (629)	3520	99
B2730051600	5 x 16 (6)	25.3 (0.996)	792.0 (532.90)	1173 (788)	4400	99
B2730042500	4 x 25 (4)	27.7 (1.09)	990.0 (666.10)	1483 (996)	5500	131
B2730052500	5 x 25 (4)	30.8 (1.21)	1250.0 (841.10)	1703 (1144)	6820	131
B2730043500	4 x 35 (2)	30.1 (1.185)	1386.0 (932.60)	2115 (1421)	7700	162
B2734160425	4 x 16 + 4 x 2.5 (6G 4c + 12G 4c)	23.6 (0.93)	733.0 (493.20)	1100 (739)	4510	99