

# Buflex® X'Prem Reeling Cable



**Construction** 0.6/1kV cables, XLPE insulated with double layer anti-twisting reinforced polyurethane outer sheath, plain copper conductors to IEC 60228 Class 5. Includes central strength member.

**Application** Buflex X'Prem cables with polyurethane sheath are specially designed for reeling applications, with high mechanical stresses and severe environmental conditions such as torsion, tension, torque and abrasion. Reeling speed up to 150m/min.

No. cores × cross-sec. weight mm <sup>2</sup>	Outer diameter Min. mm	Max. mm	Approx. kg/km	Max. tensile load (N)	Product Code
<b>Power</b>					
4 G 2.5	10	11.5	180	250	BXP4G2.5
4 G 4	11.5	13	260	400	BXP4G4
4 G 6	13	14.5	370	600	BXP4G6
4 G 10	15.5	17	580	1000	BXP4G10
4 G 16	19.5	21.5	920	1600	BXP4G16
3 × 25+3 G 6	23.5	25.5	1240	1960	BXP3 × 25.3G6
3 × 35+3 G 6	27	29.5	1640	2650	BXP3 × 35.3G6
3 × 50+3 G 10	30	32.5	2240	3750	BXP3 × 50.3G10
3 × 70+3 G 16	35	37.5	3100	5250	BXP3 × 70.3G16
3 × 95+3 G 16	39	42	3890	7150	BXP3 × 95.3G16
3 × 120+3 G 25	44	47	5080	9000	BXP3 × 120.3G25
3 × 150+3 G 25	49	52.5	6160	11250	BXP3 × 150.3G25
3 × 185+3 G 35	54.5	58.5	7680	13800	BXP3 × 185.3G35
3 × 240+3 G 50	60.5	64.5	9870	18000	BXP3 × 240.3G50
3 × 300+3 G 50	68.5	72.5	12300	22500	BXP3 × 300.3G50
5 G 2.5	11	12.5	220	310	BXP5G2.5
5 G 4	13	14.5	320	500	BXP5G4
5 G 6	15	16.5	450	750	BXP5G6
5 G 10	18	20	700	1250	BXP5G10
5 G 16	22	24	1100	2000	BXP5G16
5 G 25	27	29.5	1550	3100	BXP5G25
5 G 35	31	33.5	2050	4350	BXP5G35
<b>Control</b>					
7 × 1.5	11.5	13	210	260	BXP7 × 1.5
12 × 1.5	16	17.5	330	450	BXP12 × 1.5
18 × 1.5	16	17.5	410	670	BXP18 × 1.5
24 × 1.5	19	21.5	680	900	BXP24 × 1.5
36 × 1.5	22	24	900	1350	BXP36 × 1.5
7 × 2.5	12.5	14	30	430	BXP7 × 2.5
12 × 2.5	18.5	20.5	610	750	BXP12 × 2.5
18 × 2.5	18.5	20.5	740	1120	BXP18 × 2.5
24 × 2.5	22.5	24.5	1050	1500	BXP24 × 2.5
36 × 2.5	25	28	1430	2250	BXP36 × 2.5
42 × 2.5	27	29.5	1500	2620	BXP42 × 2.5
26 × 2.5+ (4 × 2.5)C	24.5	27	1260	1870	BXP26 × 2.5PLUS

## Mechanical Properties

Max. tensile load	25N/mm <sup>2</sup> of phases copper cross section
Bending radii	Fixed: 6 × d Mobile: 8 × d S-shape deflection: 20 × d
Tests	Bending test, torsional test, reeling test
Reeling speed	up to 150m/min (for higher speed contact us)

## Electrical and Thermal Properties

Test Voltage:	Power 3.5kV in AC Control 2.5kV in AC
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Current Rating	in accordance with IEC 60354-5-52-12
Max. temperature at the conductor:	in service +90°C under short-circuit conditions +250°C
Max. surface temperature	fixed installation -40°C up to +80°C

## Cores Identification

Control:	white with printed numbers
Power 4 cores:	black, brown, grey, green/yellow (3 earth cores for sizes > 25mm <sup>2</sup> )
Power 5 cores:	black, brown, grey, blue, green/yellow