

3803844B	DATA SHEET	
Valid from: 01.10.2023	ÖLFLEX® POWER CTPS XLPE BK 0.6/1kV	

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1. Reference Standard(s)

Based on AS/NZS 5000.1

2. Cable Construction

- 2.1. Conductor : Circular strands of plain annealed copper acc. to AS/NZS 1125, Class 2
- 2.2. Separator : Extruded XLPE compound X-90 acc. to AS/NZS 3808
Requirements for the insulation thickness shall comply with AS/NZS 5000.1
- 2.3. Core Insulation : In acc. to AS/NZS 5000.1
2 core+E – RD/BK/GNYE
3 core+E – RD/WH/BU/GNYE
4 core+E – RD/WH/BU/BK/GNYE
6 core and above – White with black number marking + GNYE core
- 2.4. Assembly of Cores : Lay-up of cores, other than the center core, shall be laid up in helical 'SZ' configuration.
Fillers and PET tape maybe used to achieve a round cable.
- 2.5. Outer Sheath : PVC compound 5V-90 acc. to AS/NZS 3808
Requirements for the sheath thickness shall comply with AS/NZS 5000.1
The surface of the sheath must be plane and round without contours of stranding.
Over the total length the cores must not stick or bonded on the sheath, so that the sheath can be easily removed.
- 2.6. Sheath colour : Black, RAL 9005

3. Technical Data

- 3.1. Rated Voltage : 600/1000 V
- 3.2. Test Voltage : 3.5 kV AC
- 3.3. Conductor Resistance : In acc. to AS/NZS 1125
- 3.4. Insulation resistance : In acc. to AS/NZS 3808
- 3.5. Min. Bending Radius : 20 x cable diameter
- 3.6. Temperature Range : -20°C up to +90°C
- 3.7. Flame Retardant : In acc. to IEC 60332-1-2
- 3.8. EC Directive : 2011/65/EU (RoHS)

4. Dimensional Data

Part No.	No. of core(s) and conductor cross-section	Approx. Outer Diameter	Approx. Cable Weight
	mm ²	mm±10%	kg/km
3803844B	2x10+4E	15.5	363
3803845B	2x16+6E	17.7	508
3803846B	2x25+6E	21.3	715
3803847B	2x35+10E	23.7	949
3803856B	3x10+4E	17.0	485
3803868B	4x10+4E	18.7	571
3803857B	3x16+6E	19.6	693
3803869B	4x16+6E	21.5	825
3803870B	4x25+6E	26.1	1204
3803871B	4x35+10E	29.1	1615
3803872B	4x50+16E	33.6	2180
3803873B	4x70+25E	39.1	3092
3803874B	4x95+25E	44.3	4101

Elaborated by: BEKO / SVM Approved by: BEKR / PM	Document: SDB8103844BEN Version: 01	Page 1 of 1
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