3804244A	DATA SHEET	LAPP
Valid from: 29.05.2025	ÖLFLEX® VSD ULTRA YSLCY	

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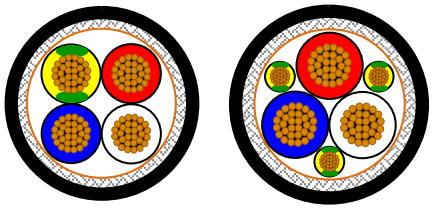

*Illustrations are not to scale and do not represent detailed images of the respective products.

1. Application

ÖLFLEX VSD ULTRA YSLCY is use for fixed installation and occasional flexing, having an EMC-performance due to double screened design. The cable has a special concentric array cable design, where protective conductor is split into 3 individuals with reduced overall cross-section. The cable are for use in dry, damp and wet rooms, and can also be used outdoors under direct exposure to sunlight. Suitable for frequency converters operated for three-phase motors of small, medium, and large sizes.

2. Reference Standard(s)

Based on VDE 0276-603, HD 603 S1, AS/NZS 5000.1

3. Cable Construction

3.1. Conductor	:	Fine strands of bare copper wire acc. to IEC 60228 resp. VDE 0295, Class 5
3.2. Core Insulation	:	PVC compound
3.3. Core Colours	:	4 core – Red/White/Blue/GnYe 3+3 core – Red/White/Blue + 3 GnYe
3.4. Core Lay-up	:	Cores twisted concentrically
3.5. Wrapping	:	Layer of copper foil
3.6. Screening	:	Tinned copper wire braiding
3.7. Outer Sheath	:	PVC compound
3.8. Sheath Colour	:	Black

4. Technical Data

4.1. Rated Voltage	:	0.6/1 kV
4.2. Test Voltage	:	4 kV
4.3. Conductor Resistance	:	In acc. to IEC 60228 resp. VDE 0295
4.4. Min. Bending Radius	:	15 x cable diameter (occasional flexing) 4 x cable diameter (fixed installation)
4.5. Temperature Range	:	-5°C up to +90°C (occasional flexing) -20°C up to +90°C (fixed installation)
4.6. Flame Retardant	:	In acc. to IEC 60332-1-2
4.7. EU Directive	:	2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS)
4.8. CE Mark	:	Yes

ref.:

5. Dimensional Data

Part No.	No. of core and conductor cross-section mm²	Approx. Cable OD mm	Approx. Copper Wt. kg/km	Approx. Cable Wt. kg/km
4-Core Cable				
3804244A	4G1	11.7	88.8	191
3804245A	4G1.5	12.3	112.4	223
3804246A	4G2.5	13.6	157.6	282
3804247A	4G4	16.0	224.3	363
3804248A	4G6	17.4	312.4	472
3804249A	4G10	20.5	534.6	750
3804250A	4G16	23.1	756.8	999
3804251A	4G25	27.6	1128.6	1455
3804252A	4G35	30.7	1571.7	1943
3+3 Split Earth Cable				
3804269A	3x6 + 3G1.5	17.5	296.3	526
3804261A	3x10 + 3G1.5	19.0	448.9	727
3804270A	3x16 + 3G2.5	21.5	673.4	999
3804263A	3x25 + 3G4	25.2	1004.9	1450
3804264A	3x35 + 3G6	28.3	1404.2	1898
3804265A	3x50 + 3G10	33.4	1999.0	2665
3804266A	3x70 + 3G10	37.1	2533.2	3314