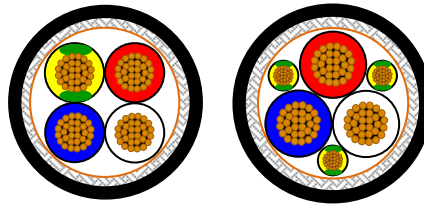




<b>PRODUCT DATA SHEET</b>		PDS-3804244E	
YSLCY-JB VSD ULTRA SCREEN (EN)		Ver. A	Date of Issue: 16.07.2015



Drawing not to scale for illustration purposes only.

### 1. Application

YSLCY-JB VSD ULTRA SCREEN enhanced temperature version 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

In acc. to VDE 0276-603, HD 603 S1+A3

### 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 Colour : In acc. to AS/NZS 5000.1  
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. Spec. Insulation Res. :  $\geq 20 \text{ G}\Omega \times \text{cm}$
- 4.5. Transfer Impedance :  $\leq 250 \text{ m}\Omega/\text{m} @ 30 \text{ MHz}$
- 4.6. Min. Bending Radius : 4 x cable diameter (fixed installation)
- 4.7. Temperature Range :  $-15^\circ\text{C}$  up to  $+90^\circ\text{C}$
- 4.8. Flame Retardant : In acc. to IEC 60332-1-2
- 4.9. EC Directive : In acc. to 2006/95/EC (Low Voltage Directive) and 2002/95/EC (RoHS)

### 5. Dimensional Data

Part No.	No. of core and conductor cross-section mm <sup>2</sup>	Approx. Cable OD mm	Approx. Copper Wt. kg/km	Approx. Cable Wt. kg/km
3804244E	4G1	11.8	88.8	191
3804245E	4G1.5	12.5	112.4	223
3804246E	4G2.5	13.6	157.6	282
3804247E	4G4	14.9	224.3	363
3804248E	4G6	16.7	312.4	472
3804249E	4G10	20.6	534.6	750

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3804250E	4G16	23.0	756.8	999
3804251E	4G25	27.4	1128.6	1455
3804252E	4G35	30.9	1571.7	1943
3804253E	4G50	36.1	2196.1	2691
3804254E	4G70	41.0	2894.9	3484
3804255E	4G95	46.9	3864.9	4617
3804256E	4G120	51.7	4916.4	5768
3804257E	3x1.5 + 3G0.25	12.6	105.1	259
3804258E	3x2.5 + 3G0.25	13.7	145.3	322
3804259E	3x4 + 3G0.75	15.1	206.5	407
3804260E	3x6 + 3G1	16.9	282.8	511
3804269E	3x6 + 3G1.5	16.9	296.3	526
3804261E	3x10 + 3G1.5	20.3	448.9	727
3804262E	3x16 + 3G1.5	23.2	645.1	968
3804270E	3x16 + 3G2.5	23.2	673.4	999
3804263E	3x25 + 3G4	27.6	1004.9	1450
3804264E	3x35 + 3G6	31.2	1404.2	1898
3804265E	3x50 + 3G10	36.4	1999.0	2665
3804266E	3x70 + 3G10	41.1	2533.2	3295
3804267E	3x95 + 3G16	47.1	3447.5	4391
3804268E	3x120 + 3G16	51.7	4246.0	5287



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