

# SPECIFICATION

<b>1.Scope:</b> This specification established a description for PVC insulation,Cotton yarn for Filler,Cotton paper for Seperator and TPU jacket cable.			<b>3.Physical and Electrical Performance</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Item</th> <th style="width: 30%;"></th> <th style="width: 40%;">Requirement</th> </tr> </thead> <tbody> <tr> <td>Spark Test</td> <td style="text-align: center;">kv</td> <td>3.0 for insulation; 3.0 for jacket</td> </tr> <tr> <td>Conductor resistance</td> <td style="text-align: center;">ohm/km</td> <td>13.3 (at 20°C max )</td> </tr> <tr> <td rowspan="2">Temperature rating</td> <td style="text-align: center;">Occasional flexing</td> <td>- 5°C up to +70°C max. conductor temp.</td> </tr> <tr> <td style="text-align: center;">Fixed installation</td> <td>- 40°C up to +80°C max. conductor temp.</td> </tr> <tr> <td>Voltage rating (U<sub>0</sub> / U)</td> <td style="text-align: center;">V</td> <td>300/500</td> </tr> <tr> <td>Test voltage (Core/Core)</td> <td></td> <td>4000V AC</td> </tr> <tr> <td>Flame retardant test</td> <td></td> <td>FT2</td> </tr> <tr> <td rowspan="2">UV resistance</td> <td></td> <td>acc. to EN 50620 resp. VDE 0285-620</td> </tr> <tr> <td></td> <td>acc. to EN ISO 4892-2-2013, method A (change of colour allowed)</td> </tr> <tr> <td>Ozone resistance</td> <td></td> <td>acc. to EN 50396 resp. VDE 0473-396, method B</td> </tr> <tr> <td>Oil Resistant Jacket (UL758&amp;UL1581)</td> <td></td> <td>(7d @ 60°C)</td> </tr> <tr> <td>Cold bend (-40°Cx4h)</td> <td></td> <td>No cracks</td> </tr> <tr> <td rowspan="2">Minimum bending radius</td> <td></td> <td>Occasional flexing: 12.5 x cable diameter</td> </tr> <tr> <td></td> <td>Fixed installation: 4 x cable diameter</td> </tr> <tr> <td>General requirements</td> <td></td> <td>These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)</td> </tr> </tbody> </table>			Item		Requirement	Spark Test	kv	3.0 for insulation; 3.0 for jacket	Conductor resistance	ohm/km	13.3 (at 20°C max )	Temperature rating	Occasional flexing	- 5°C up to +70°C max. conductor temp.	Fixed installation	- 40°C up to +80°C max. conductor temp.	Voltage rating (U <sub>0</sub> / U)	V	300/500	Test voltage (Core/Core)		4000V AC	Flame retardant test		FT2	UV resistance		acc. to EN 50620 resp. VDE 0285-620		acc. to EN ISO 4892-2-2013, method A (change of colour allowed)	Ozone resistance		acc. to EN 50396 resp. VDE 0473-396, method B	Oil Resistant Jacket (UL758&UL1581)		(7d @ 60°C)	Cold bend (-40°Cx4h)		No cracks	Minimum bending radius		Occasional flexing: 12.5 x cable diameter		Fixed installation: 4 x cable diameter	General requirements		These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
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<b>5.Remark:</b> 1).Reference standard: UL1581&EN 50525-2-51&EN 50525-2-21; 2).The cable is complied with RoHS standard; 3).The unit of the dimension is mm unless specified in the specification; 4).The cross sections do not represent the actual size for your information;																																																		