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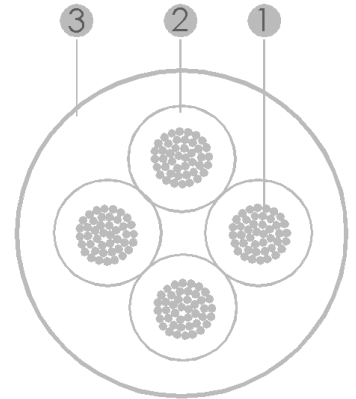
# TECHNICAL DATA SHEET



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## Flexible Cord SJTO OIL RESISTANT



### SCHEMATIC DRAWINGS



#### APPLICAZIONI APPLICATIONS

Cavo flessibile in PVC resistente agli oli, adatto per applicazioni pesanti. Idoneo per cablaggi in officine meccaniche, per connessioni di macchine utensili e macchine industriali dove si richiede resistenza al contatto con oli minerali.

*PVC oil resistant flexible cord that is intended for hard usage. It is designed for wiring in mechanical workshops, for interconnection of industrial equipment and machine tools, everywhere a resistance to mineral oils is required.*

#### COSTRUZIONE

##### CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso  
*Electrolytic bare flexible copper conductor*
2. Isolamento in speciale PVC con elevata resistenza al calore  
*Special PVC insulation with high heat resistance*
3. Guaina in speciale miscela di PVC con elevata resistenza al calore ed agli oli.  
*Special PVC compound outer sheath with high heat and oil resistance*

Temperatura utilizzo  
*Temperature range*



- 20 ÷ 105 °C  
[ @ fixed installation]  
0 ÷ 105 °C  
[ for dynamic applications]

Tensione di esercizio  
*Rated voltage*



300 V<sub>AC</sub>

Tensione di prova  
*Test voltage*



3000 V<sub>AC</sub>

Resistenza agli oli  
*Oil resistance*



UL 2556 clause 4.2.8.3,  
C22.2 No. 2556

Resistenza alla fiamma  
*Flame resistance*



VW-1

Raggio di curvatura  
*Bending radius*



≥ 8 x D  
[ @ fixed installation]  
≥ 12 x D  
[ for dynamic applications ]

Idoneo per posa mobile  
*Suitable for mobile installation*



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Page: 1 / 4

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Sezione Size conductor	Formazione conduttore Conductor stranding [ N° x mm ]	Resistenza elettrica Electrical resistance [ Ω/Km ]	Diametro su isolamento Diameter on insulation [ mm ]	Spessore di isolamento Radial thickness of insulation [ mm / mils ]
AWG 18	28 x 0.193	≤ 22.4	2.8 ± 0.1	≥ 0.76 / 30
AWG 16	44 x 0.193	≤ 14.1	3.1 ± 0.1	≥ 0.76 / 30
AWG 14	72 x 0.193	≤ 8.88	3.6 ± 0.1	≥ 0.76 / 30
AWG 12	74 x 0.243	≤ 5.58	3.95 ± 0.1	≥ 0.76 / 30
AWG 10	106 x 0.254	≤ 3.51	5.6 ± 0.1	≥ 1.14 / 45

Sezione Size conductor	Diametro esterno Outer diameter [ mm ]	Spessore guaina Thickness of jacket [ mm / mils ]
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2 x AWG 18	7.2 ± 0.2	≥ 0.76 / 30
3 x AWG 18	7.7 ± 0.2	
4 x AWG 18	8.4 ± 0.2	
5 x AWG 18	9.1 ± 0.2	
6 x AWG 18	9.9 ± 0.2	

2 x AWG 16	8.05 ± 0.2	≥ 0.76 / 30
3 x AWG 16	8.6 ± 0.2	
4 x AWG 16	9.2 ± 0.2	
5 x AWG 16	10.2 ± 0.2	
6 x AWG 16	11.2 ± 0.2	

2 x AWG 14	9.05 ± 0.2	≥ 0.76 / 30
3 x AWG 14	9.8 ± 0.2	
4 x AWG 14	10.5 ± 0.2	
5 x AWG 14	11.5 ± 0.2	
6 x AWG 14	12.6 ± 0.2	

Sezione Size conductor	Diametro esterno Outer diameter [ mm ]	Spessore guaina Thickness of jacket [ mm ]
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2 x AWG 12	10.4 ± 0.2	≥ 1.14 / 45
3 x AWG 12	11.0 ± 0.2	
4 x AWG 12	12.2 ± 0.2	
5 x AWG 12	13.4 ± 0.2	
6 x AWG 12	14.6 ± 0.2	

2 x AWG 10	14.4 ± 0.2	≥ 1.52 / 60
3 x AWG 10	15.2 ± 0.3	
4 x AWG 10	16.7 ± 0.3	
5 x AWG 10	18.5 ± 0.3	
6 x AWG 10	20.3 ± 0.4	

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Page: 2 / 4

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Riferimento normativo <i>Standard reference</i>	UL 62, UL 1581, C22.2 No. 49-18 UL file No. E212322
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in rame elettrolitico rosso, conforme alle norme UL 62, UL 1581 <i>Electrolytic bare flexible copper conductor conforming to UL 62 and UL 1581 requirements</i>
Isolamento <i>Insulation</i>	Speciale PVC con elevata resistenza al calore conforme alla classe 7 della Tabella 8 della norma UL 62 <i>Special PVC with high heat resistance conforming to Class 7 of Table 8 of standard UL 62</i>
Colore isolamento <i>Color of insulation</i>	Secondo UL 62 <i>Conforming to UL 62</i>
Riunitura <i>Cable assembly</i>	Le anime vengono riunite insieme, secondo i passi specificati dalla Tabella 10 della norma UL 62, e se necessario con filato in poliestere. <i>The inner cores are twisted together with length of lay conforming to Table 10 of UL 62 standard, and if it is necessary, together with a polyester filler.</i>
Guaina esterna <i>Outer sheath</i>	Speciale PVC con elevata resistenza al calore e agli oli, conforme alla classe 1.8 della Tabella 11 della norma UL 62. <i>Special PVC with high heat and oil resistance conforming to Class 1.8 of Table 11 of standard UL 62.</i>
Colore guaina <i>Color of sheath</i>	Su richiesta del cliente <i>On customer's request</i>
Marcatura ad inchiostro <i>Ink printing</i>	SALCAVI TECHNIC SPA ITALY SJTO No. conduttori X sezione AWG 300V 105°C VW-1 (UL) c(UL) E212322 OIL RESISTANT 60°C MM/AA <i>SALCAVI TECHNIC SPA ITALY SJTOW No. of conductors X AWG size (mm<sup>2</sup> size) 300V 105°C VW-1 (UL) c(UL) E212322 OIL RESISTANT 60°C MM/YY</i>

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Page: 3 / 4

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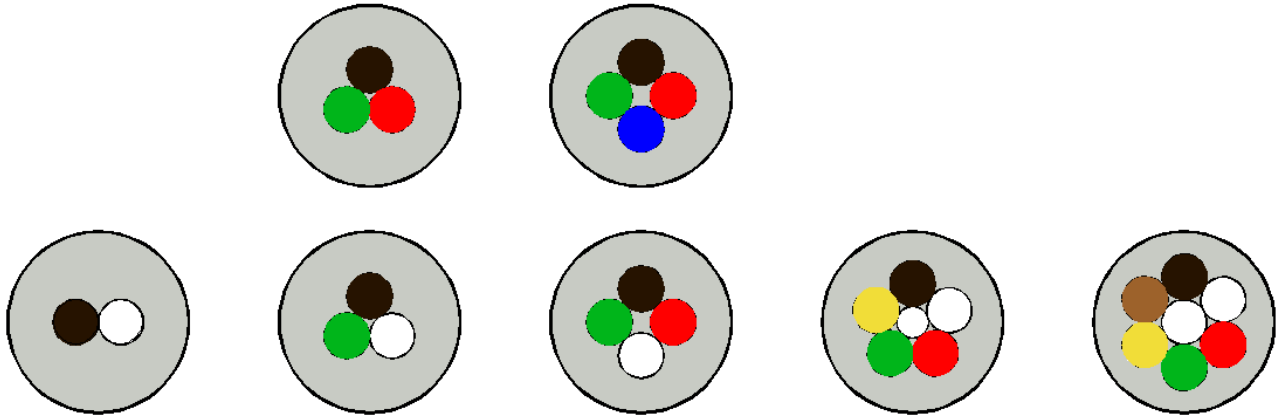
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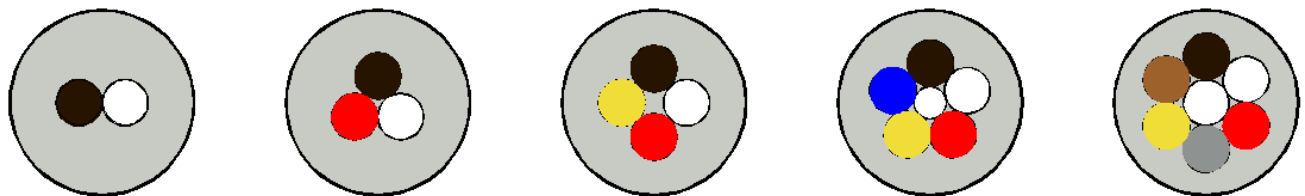
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## MULTICORE CABLES WITH GROUNDING CONDUCTOR



## MULTICORE CABLES WITHOUT GROUNDING CONDUCTOR



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Page: 4 / 4

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