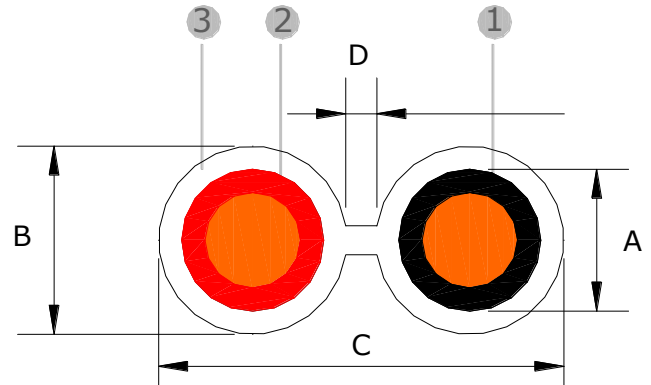


# SIOTWIN® TPE/PVC



SCHEMATIC DRAWINGS



## APPLICAZIONI APPLICATIONS

Piattina flessibile separabile con isolamento in TPE reticolato e guaina in PVC trasparente ad elevata flessibilità, con buone proprietà meccaniche e termiche. Idonea per cablaggio di sistemi di alimentazione a batteria per carrelli elevatori, camion, mezzi agricoli e veicoli elettrici.

*Transparent PVC jacket and cross-linked TPE insulation high flexibility flat figure-eight separable cable, with good mechanical and thermal properties. It's suitable for interconnection of battery powered equipment such as forklift, trucks, agricultural and motorized vehicles.*

## COSTRUZIONE

### CABLE STRUCTURE

1. Conduttore extra-flessibile classe 6 in rame elettrolitico rosso  
*Extra-flexible class 6 electrolytic bare copper conductor*
2. Isolamento in TPE reticolato ad elevata resistenza termica, meccanica e chimica.  
*Cross-linked TPE insulation with high thermal, mechanical and chemical resistance.*
3. Guaina esterna trasparente in PVC tipo TM2  
*Transparent TM2 type PVC outer sheath*

SIOTWIN®

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Temperatura utilizzo  
*Temperature range*



-5 ÷ 80 °C  
-35 ÷ 80 °C  
[ @ fixed installation ]

Tensione di esercizio  
*Voltage rating*



300/500 V<sub>ac</sub>

Tensione di prova  
*Test voltage*



3000 V<sub>ac</sub>

Temperatura di corto circuito  
*Short-circuit temperature*



160°C

Idoneo per posa interna  
*Suitable for indoor use*



Raggio di curvatura  
*Bending radius*



≥ 8 x D<sub>max</sub>  
[ @ fixed installation ]

Resistenza alla fiamma  
*Flame resistance*



IEC 60332-1-2

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Sezione <i>Size conductor</i> [ mm <sup>2</sup> ]	Formazione conduttore <i>Conductor stranding</i> [ N° x mm ]	Resistenza elettrica <i>Electrical resistance</i> [ Ω/Km ]	Diametro dell'isolamento [ A ] <i>Diameter on insulation [ A ]</i> [ mm ]	Spessore di isolamento <i>Radial thickness of insulation</i> [ mm ]
1.5	80 x 0.150	≤ 13.3	2.8 ± 0.1	≥ 0.7
2.5	140 x 0.150	≤ 7.98	3.6 ± 0.1	≥ 0.8
4	224 x 0.150	≤ 4.95	4.3 ± 0.2	≥ 0.8
6	203 x 0.193	≤ 3.30	4.9 ± 0.2	≥ 0.8
10	336 x 0.193	≤ 1.91	6.4 ± 0.2	≥ 0.9
16	532 x 0.193	≤ 1.21	7.4 ± 0.2	≥ 0.9
25	840 x 0.193	≤ 0.780	8.9 ± 0.2	≥ 0.9
35	1140 x 0.193	≤ 0.554	10.5 ± 0.2	≥ 1.0
50	1520 x 0.193	≤ 0.386	12.5 ± 0.3	≥ 1.3

Sezione <i>Size conductor</i> [ mm <sup>2</sup> ]	"Ponte" [ D ] <i>"Bridge" [ D ]</i> [ mm ]	Diametro esterno [ B x C ] <i>Outer diameter [ B x C ]</i> [ mm ]	Spessore guaina <i>Thickness of jacket</i> [ mm ]
2 x 1.5	0.7 ± 0.2	( 4.5 x 9.8 ) ± 0.3	≥ 0.8
2 x 2.5	0.7 ± 0.2	( 5.3 x 11.3 ) ± 0.3	≥ 0.8
2 x 4	0.9 ± 0.2	( 6.0 x 13.0 ) ± 0.3	≥ 0.8
2 x 6	0.9 ± 0.2	( 6.6 x 14.0 ) ± 0.3	≥ 0.8
2 x 10	0.9 ± 0.2	( 8.0 x 17.0 ) ± 0.3	≥ 0.8
2 x 16	1.8 ± 0.2	( 9.0 x 20.0 ) ± 0.4	≥ 0.8
2 x 25	2.2 ± 0.3	( 10.8 x 23.9 ) ± 0.5	≥ 0.9
2 x 35	2.2 ± 0.3	( 12.6 x 27.5 ) ± 0.5	≥ 1.0
2 x 50	2.2 ± 0.3	( 15.0 x 32.2 ) ± 0.5	≥ 1.1

Riferimento normativo <i>Standard reference</i>	Direttiva Europea Bassa Tensione No. 2014/35/UE <i>Low Voltage European Directive No. 2014/35/EU</i>
Conduttore <i>Stranding of conductor</i>	Conduttore extra-flessibile classe 6 in rame elettrolitico rosso, conforme alla norma IEC 60228 <i>Extra-flexible class 6 electrolytic bare copper conductor, conforming to IEC 60228 standard</i>
Isolamento <i>Insulation</i>	Gomma reticolata termoplastica con elevata resistenza termica, meccanica e chimica ; durezza : [ 80 ± 2 ] Sh-A <i>Cross-linked thermoplastic rubber with high thermal, mechanical and chemical ; hardness : [ 80 ± 2 ] Sh-A</i>
Colore isolamento <i>Color of insulation</i>	<b>Rosso, nero</b> oppure <b>rosso, blu</b> <b>Red, black</b> or <b>red, blue</b>
Guaina esterna <i>Outer sheath</i>	PVC tipo TM2 trasparente conforme alla norma EN 50363-4-1. Durezza : [ 80 ± 2 ] Sh-A. <i>Transparent TM2 type PVC conforming to EN 50363-4-1 requirements. Hardness : [ 80 ± 2 ] Sh-A.</i>
Marcatura <i>Marking</i>	Marcatura bianca a getto d'inchiostro : SALCAVI TECHNIC SPA ITALY SI-TWIN TPE/PVC sezione in mm2 -35/80 °C - CE - SS/AA <i>White ink-jet marking :</i> SALCAVI TECHNIC SPA ITALY SI-TWIN TPE/PVC mm2 size -35/80 °C - CE - WW/YY

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