

05SJ-U Besilen® insulated wire with fibre-glass braiding with reference to DIN EN 50525-2-41



Construction:

Conductor:	solid tinned copper wire acc. to DIN VDE 0295 class 1 + IEC 60228 class 1
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
Standard colour:	nature
Braiding:	fibre-glass
Impregnation:	impregnating lacquer

Outstanding features:

- ▶ halogen-free
- ▶ flexible at low temperatures
- ▶ heat resistant
- ▶ EAC approval

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	2000 V
Min. bending radius:	7.5 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

item no.	nominal cross section mm ²	nominal wire-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01540109	1,00	1,13	3,0	9,6	19
01540159	1,50	1,38	3,4	14,4	26
01540259	2,50	1,78	4,0	24,0	38
01540409	4,00	2,26	4,5	38,4	55
01540609	6,00	2,76	5,0	57,6	75
01541009	10,00	3,57	6,2	96,0	125

Other dimensions and colours are possible on request.