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 IEC 60228, VDE 0295, class 1
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Standard colour:	nature
Braiding:	fibre-glass
Impregnation:	impregnating lacquer

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **PFAS free**

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x d
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range *fixed laying:* *flexible application:* *short-time use:*	 -40/+180 °C -25/+180 °C +250 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	nominal cross section mm²	nominal wire-ø mm	outer-ø ± 10% 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.