

Smeltery Cable

Besilen® insulated connection cable with glass fiber braiding and overall copper screen



Application: Especially appropriate for the application between ladle carriages.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Colour code:	coloured acc. to HD 308 (VDE 0293-308), from 6 cores black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, from 3 cores a green-yellow earth wire
Wrapping:	cores together with mica tape
Braiding:	glass fiber
Stranding:	in layers
Braiding:	glass fiber
Wrapping:	mica tape
Braiding:	glass fiber
Screen:	tinned copper braiding

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Min. bending radius:	15 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
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Absence of harmful substances:	acc. to RoHS directive of the European Union

Outstanding features:



- halogen-free
- flexible at low temperatures
- heat resistant
- good EMC characteristic

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07470210	2 x 1,00	0,21	9,2	79,9	109
07470310	3 x 1,00	0,21	9,7	103,0	144
07470410	4 x 1,00	0,21	10,6	115,1	173
07470510	5 x 1,00	0,21	11,7	110,1	210
07470710	7 x 1,00	0,21	12,7	162,5	256
07470810	8 x 1,00	0,21	14,8	202,1	335
07471210	12 x 1,00	0,21	16,7	246,8	393
07470315	3 x 1,50	0,26	10,8	120,4	173
07470415	4 x 1,50	0,26	11,8	151,8	209
07470515	5 x 1,50	0,26	13,0	175,2	262
07470815	8 x 1,50	0,26	16,6	246,3	415

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07471215	12 x 1,50	0,26	18,8	311,5	498
07471915	19 x 1,50	0,26	22,2	437,4	709
07472415	24 x 1,50	0,26	26,2	540,9	884
07470325	3 x 2,50	0,26	12,1	166,2	213
07470425	4 x 2,50	0,26	13,2	192,4	266
07470525	5 x 2,50	0,26	14,6	230,9	322
07470440	4 x 4,00	0,31	14,7	237,1	350
07470461	4 x 10,00	0,41	19,7	494,9	687
07470462	4 x 16,00	0,41	22,7	800,1	954
07470463	4 x 25,00	0,41	27,2	1347,0	1332
07470464	4 x 35,00	0,41	30,5	1579,6	1814

Other dimensions and colours are possible on request.