

# Flexible Control Cables

suitable for extrem conditions **NSSHOU**

RoHS



## Construction (케이블구성)

<b>Conductor</b> (도체)	tinned flexible copper
<b>Insulation</b> (내피재질)	Rubber mixture 3GI3(EPR)
<b>Stranding</b> (도체연선)	in layers
<b>Core code</b> (코어식별)	up to 5 core – acc to, VDE0293 from 7 core – black with white Nr
<b>Inner Sheath</b> (중피)	Rubber mixture GM16
<b>Out sheath</b>	Rubber 5GM5
<b>Sheath colour</b> (외피색상)	yellow (VDE 0250 part 812)

## Technical data (기술사항)

<b>Nominal voltage</b> (사용전압)	U <sub>0</sub> /U 0.6/1 kV
<b>Testing voltage</b> (시험전압)	3 kV
<b>Min. bending radius</b> (곡률반경)	6~8 x d
<b>Temperature range</b> (사용온도)	flexing static
<b>Oil resistance</b> (내유성)	good
<b>Fire performance</b> (내화성관련)	flame retardant IEC 60332-1

## Application (적용)

- ▶ outdoor use (실외용)
- ▶ adrasion resistance (내마모성)
- ▶ 건설산업분야 적용

No. conduct. x cross-section	Copper number kg/km	Appro x conductor diameter mm	Max overall diameter mm	Apporx cable weight kg/km
Nr x mm <sup>2</sup>				
1 x 16	154	4.9	13.5	122
1 x 25	240	6.0	16.5	390
1 x 35	336	7.2	18.5	500
1 x 50	480	8.6	20.0	685
1 x 70	672	10.3	22.0	925
1 x 95	912	11.8	25.0	1170
1 x 120	1152	14.2	27.5	1495
1 x 150	1440	15.8	30.0	1800
1 x 185	1776	17.5	34.0	2230
1 x 240	2304	20.1	37.0	2830
3 x 1.5	43	1.5	15.0	187
3 x 2.5	72	1.9	16.5	251
3 x 4	115	2.4	20.0	370
3 x 6	173	3.0	22.0	450
3 x 10	288	3.9	25.5	780
3 x 16	461	4.9	28.5	1000
3 x 25	720	6.0	34.5	1500
3 x 35	1008	7.2	39.0	2050
3 x 50	1440	8.6	45.0	2800
3 x 70	2016	10.3	49.0	3700
3 x 95	2736	11.8	56.0	4700
3 x 120	3456	14.2	60.5	5700

No. conduct. x cross-section	Copper number kg/km	Appro x conductor diameter mm	Max overall diameter mm	Apporx cable weight kg/km
Nr x mm <sup>2</sup>				
4 x 1.5	58	1.5	16.0	215
4 x 2.5	96	1.9	19.0	330
4 x 4	154	2.4	21.5	430
4 x 6	230	3.0	23.0	540
4 x 10	384	3.9	27.5	900
4 x 16	614	4.9	37.0	1270
4 x 25	960	6.0	39.0	1860
4 x 35	1344	7.2	42.5	2380
4 x 50	1920	8.6	49.0	3360
4 x 70	2688	10.3	53.5	4450
4 x 95	3648	11.8	61.5	5700
4 x 120	4608	14.2	68.0	7200
3 x 70/35	2350	10.3/7.2	53.5	3870
3 x 90/50	3216	11.8/8.6	61.5	4970
3 x 120/70	4128	14.2/10.3	68.0	6750
5 x 1.5	72	1.5	17.0	250
5 x 2.5	120	1.9	20.0	390
5 x 4	192	2.4	23.0	510
5 x 6	288	3.0	26.5	670
5 x 10	480	3.9	30.0	960
5 x 16	768	4.9	34.0	1580
5 x 25	1200	6.0	42.0	2300