



Construction:

Conductor	: flexible copper wires, plain.
Insulation	: HFFR compound, TI6.
Core identification	: black cores with white numerals with green/yellow from 3 cores.
Lay-up	: cores laid up in layers of optimum pitch.
Outer sheath	: HFFR compound, TM7; OZ: Numbered cores black.
Sheath colour	: RAL 7001, Grey (to be agreed upon the shade of grey).

Technical data and tests:

Insulation resistance	: min. 20 MΩ/km.
Rated voltage	: 300 / 500 V.
Test voltage	: 2000 V.
Temperature range	: fixed : - 30° C ~ + 70° C; mobile: - 5° C ~ + 50° C.
Min. bending radius	: fixed : 6 x D; mobile: 12,5 x D.

Standards:

Cable	: HD 21.14 S1 & HD 21.13 S1.
Conductor	: IEC 60228 Class 5, DIN EN 60228 Class 5.
Conductor	: DIN EN 50367-7.
Core identif.	: DIN EN 50334.
Outer sheath	: DIN EN 50367-8.
Smoke density	: IEC 61034-2 & DIN EN 61034-2.
Halogen-free	: IEC 60754-1/2 & DIN EN 50267-2.
Flame	: IEC 60332-3 & DIN EN 50266-2-4.

Applications:

Halogen-free, flame retardant control cable with enhanced fire protection properties to prevent increased risks of personal injury or equipment damage. Suitable for fixed installation or flexible applications. For unrestricted mobility without forced movement control and without exposure to tensile load. Used as energy or connection cable in dry and damp environments to meet stringent safety requirements. When used for outdoor applications, adequate protection against direct exposure to sunlight must be ensured and the specified temperature limits must be observed.



DIMENSIONS

No. of Cores x Cross Section mm ²	Approx. Outer Diameter mm	Copper Weight kg/km	Approx. Cable Weight kg/km
2x0.50	4.8	10	40
3G0.50	5.1	14	50
4G0.50	5.5	19	60
5G0.50	6.2	24	70
7G0.50	6.7	34	85
12G0.50	9.1	58	135
18G0.50	10.7	87	200
21G0,50	11,2	101	225
25G0.50	12.6	120	270
34G0.50	13.8	163	350
42G0,50	15,4	202	430
50G0.50	17.2	240	520
61G0.50	18.5	293	575
2x0.75	5.2	14	50
3G0.75	5.5	22	60
4G0.75	6.2	29	75
5G0.75	6.7	36	95
7G0.75	7.5	50	115
12G0.75	9.8	86	185
18G0.75	11.9	130	260
21G0.75	12.5	151	305
25G0.75	14	180	355
34G0.75	16.3	245	460
42G0.75	17.8	303	590
50G0.75	19.1	360	660
61G0.75	20.7	439	810
2x1.0	5.6	19	60
3G1.0	6.1	29	70
4G1.0	6.7	38	85
5G1.0	7.5	48	105
7G1.0	8.1	67	130
12G1.0	10.9	116	250
18G1.0	12.9	173	315
21G1.0	13.8	201	385
25G1.0	15.4	240	420
34G1.0	17.9	326	560
42G1.0	19.5	404	735
50G1.0	21	480	805
61G1.0	22.7	585	1040
2x1.5	6.4	29	70
3G1.5	6.8	43	85
4G1.5	7.6	58	110





DIMENSIONS

No. of Cores x Cross Section mm ²	Approx. Outer Diameter mm	Copper Weight kg/km	Approx. Cable Weight kg/km
5G1.5	8.3	72	135
7G1.5	9.2	101	180
12G1.5	12.4	174	290
18G1.5	14.8	260	425
21G1.5	15.6	302	510
25G1.5	17.6	360	585
34G1.5	20.2	489	790
42G1.5	22.2	606	995
50G1.5	23.8	720	1200
61G1.5	25.8	878	1420
2x2.5	7.6	48	110
3G2.5	8.3	72	140
4G2.5	9	96	170
5G2.5	10.1	120	215
7G2.5	11.2	168	280
12G2.5	15	288	455
18G2.5	18	432	670
25G2.5	21.4	600	880
34G2.5	25	816	1260
42G2.5	26.4	1008	1420
3G4	10,0	115	180
4G4	11,0	154	255
3G6	11,5	172	285
5G4	12,5	192	320
4G6	13,0	230	360
5G6	14,0	288	445
3G10	15,0	288	490
4G10	17,0	384	605
5G10	18,5	480	740
3G16	19,0	460	865
7G10	20,0	672	1020
4G16	21,0	614	1110
4G25	23,0	960	1310
5G25	25,5	1200	1625
4G35	26,0	1344	1810
5G35	29,0	1680	2225
4G50	31,0	1920	2520
5G50	34,0	2400	3195
4G70	35,6	2688	3565
5G70	40,2	3360	4320
4G95	41,0	3648	4690
5G95	45,4	4560	5750