



APPLICATION

For installation in dry, damp or wet environments, in workshops with explosive atmospheres: it can be immersed in fresh water up to 10m depth and it could be used as energy supply cable for submersed pumps. Not suitable for underwater power transmission or installation in a waterway or where mechanical damage might occur and cause hazard. For connections liable to moderate mechanical stresses, i.e. industrial or agricultural workshop apparatus, large boilers, heater plates, electric tools such as drills and disk saws, electric appliances, portable motors and generators on building sites; also for fixed installations along floors or shelving on temporary job sites, for connecting structural elements in lifting apparatus, machinery, etc. Suitable for applications up to 1kV for adequately protected fixed installations (i.e. inside pipes or equipment) as well as for rotor connections to lifting equipment motors.

CHARACTERISTICS

Voltage Rating U/U₀

450/750V

Temperature Rating

Fixed: -40°C to +60°C

Flexed: -15°C to +60°C

Minimum Bending Radius

Fixed: 4 x overall diameter

Flexed: 6 x overall diameter

CONSTRUCTION

Conductor

Class 5 flexible copper conductor

Insulation

Rubber

Sheath

Rubber

Core Identification

1 core: Black

2 core: Blue Brown

3 core: Green/Yellow Blue Brown

4 core: Green/Yellow Blue Brown Grey

5 core: Green/Yellow Blue Brown Black Grey

6 core and above: Black with White numbers Green/Yellow

Sheath Colour

Black

STANDARDS

EN 50525-2-21, HD 22.4S3, CEI 20-19 Part 16, EN 60228, VDE 0295

Flame Retardant according to IEC/EN 60332-1-2

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR DIAMETER mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
1	1.5	1.5	5.7	7.1	50
1	2.5	1.9	6.3	7.9	70
1	4	2.4	7.2	9	100
1	6	3	7.9	9.8	130
1	10	3.9	9.5	11.9	200
1	16	4.9	10.8	13.4	280
1	25	6.1	12.7	15.8	400
1	35	7.3	14.3	17.9	510
1	50	8.9	16.5	20.6	710
3	1.5	1.5	9.2	11.9	150
3	2.5	1.9	10.9	14	210
3	4	2.4	12.7	16.2	280
3	6	3	14.1	18	370
3	10	3.9	19.1	24.2	660
3	16	4.9	21.8	27.6	920
3	25	6.1	26.1	33	1360
3	35	7.3	29.3	37.1	1820
3	50	8.9	34.1	42.9	2500
4	1	1.2	9.2	11.9	150
4	1.5	1.5	10.2	13.1	190
4	2.5	1.9	12.1	15.5	260
4	4	2.4	14	17.9	350
4	6	3	15.7	20	460
4	10	3.9	20.9	26.5	830
4	16	4.9	23.8	30.1	1190
4	25	6.1	28.9	36.6	1720
4	35	7.3	32.5	41.1	2260
7	1.5	1.5	15	19	340
7	2.5	1.9	17.5	21.5	500
12	1.5	1.5	17.6	22.4	530
12	2.5	1.9	20.6	26.2	720
18	1.5	1.5	20.7	26.3	700
24	1.5	1.5	24.3	30.7	960
36	1.5	1.5	27.8	35.2	1360