



APPLICATION

This -V type of cable has been specially developed for vertical reeling applications. Used as reeling cable for winding operation with tensile stress and/or torsional stress, and for connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable in dry, damp or wet rooms and in wet industrial conditions.

CHARACTERISTICS

Voltage Rating (U_o/U)

0.6/1kV

Temperature Rating

Fixed: -40°C to +80°C

Flexed: -25°C to +80°C

Minimum Bending Radius

Fixed: 4x overall diameter

Flexed: 5x overall diameter

Maximum Tensile Load

20 N/mm²

Travel Speed

In festoon: up to 180m/min horizontal / 120m/min main gantry

CONSTRUCTION

Conductor

Class 5 tinned copper conductor

Separator

Tape

Insulation

HEPR (Hard Ethylene Propylene Rubber)

Inner Sheath

Rubber compound

Braiding

Anti-torsion textile braid embedded in sheath

Sheath

Rubber compound

Core Identification

Coloured cores according to VDE 0293-308

including earth conductor green-yellow

Sheath Colour

Black or Yellow

STANDARDS

DIN VDE 0250-814, DIN VDE 0250-1, DIN VDE 0298-3, DIN

VDE 0472-501/502/503/508, DIN VDE 0472-401/402/602/

303/615, DIN VDE 0472-803/804, HD/EN/IEC 60811-2-1,

DIN VDE 0473-811-2-1, EN 60228

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

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
		Minimum	Maximum	
4	10	21.7	27.8	1020
4	16	25.4	32.3	1380
4	25	29.6	39.8	1980
4	35	32.6	43.6	2620
4	50	40.8	51.0	3610
4	70	46.5	58.6	5300
4	95	52.7	66.2	7010
6	2.5	18.6	21.3	590
7	1.5	16.9	19.2	430
7	4	21.4	23.5	820
12	1.5	23.0	25.4	810
12	2.5	25.5	28.8	1050
12	4	29.8	33.0	1550
18	1.5	23.1	25.6	870
18	2.5	25.7	29.2	1130
18	4	30.0	33.2	1680
20	6	39.0	42.5	2800
24	1.5	26.5	29.2	1100
24	2.5	29.8	33.2	1560
30	2.5	34.0	37.2	2000
30	1.5	29.6	33.1	1420
36	2.5	34.2	37.4	2070
36	1.5	29.8	34.0	1460
42	2.5	35.0	38.0	2160
44	2.5	36.1	39.0	2300
45	2.5	39.0	41.0	2400
56	2.5	42.1	45.2	3040
49	1	27.0	30.0	1300