



APPLICATION

For use in cold conditions 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. Suitable as drum and drag cable in dry, damp or wet rooms and in wet industrial conditions.

CHARACTERISTICS

Voltage Rating (Uo/U)

0.6/1kV

Temperature Rating

Fixed: -45°C to +60°C

Flexed: -25°C to +60°C

Minimum Bending Radius

Fixed: 4 x overall diameter

Flexing: 5 x overall diameter

Maximum Tensile Load

20 N/mm²

Travel Speed

In festoon: up to 240m/min

In reeling: up to 120m/min horizontal

CONSTRUCTION

Conductor

Class 5 flexible stranded tinned Copper

Separator

Paper Tape or similar

Insulation

HEPR (Hard Ethylene Propylene Rubber)

Inner Sheath

Rubber compound

Braiding

Anti-torsion textile braided embedded sheath

Sheath

Rubber compound

Core Identification

3 Core: Green/Yellow Blue Brown

4 Core: Green/Yellow Brown Black Grey

5 Core: Green/Yellow Blue Brown Black Grey

From 6 cores: white cores with black numbers

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 0472-303/401/402/602/615/803/804, VDE 0482-332-1-2, HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1, EN 60228
 Flame Retardant according to IEC/EN DIN EN 60332-1-2

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
		Minimum	Maximum	
3	1.5	11.2	14.4	236
3	2.5	12.6	16.1	305
3	4	15.3	19.6	395
3	6	16.4	20.9	525
3	10	20.2	25.7	765
3	16	22.5	28.6	1080
3	25	27.7	35.0	1470
3	35	31.7	40.0	2030
3	50	37.1	46.8	2680
3	70	42.5	53.5	3530
3	95	48.2	60.6	4400
3	120	51.6	64.9	5250
3	150	56.2	70.7	7040
3	185	63.3	79.4	8320
3	240	69.9	87.7	5730
3	25 + 16	30.4	38.4	2720
3	35 + 16	34.0	42.8	3010
3	50 + 25	38.6	48.6	3430
3	95 + 50	53.1	66.7	5405
3	120 + 70	55.5	69.7	6818
3	150 + 70	64.0	80.4	9190
3	185 + 95	68.8	86.4	9850
3 + 3	50 + 25 / 3	37.1	46.8	2730
3 + 3	70 + 35 / 3	42.5	53.5	3740
3 + 3	120 + 70 / 3	51.6	64.9	6220
3 + 3	150 + 70 / 3	56.2	70.7	7480
3 + 3	185 + 95 / 3	63.3	79.4	9020
3 + 3	240 + 120 / 3	69.9	87.7	11760
4	1.5	12.1	15.5	274
4	2.5	14.7	18.7	416
4	4	16.6	21.1	550
4	6	17.7	22.6	683
4	10	22.0	27.8	1018

4	16	25.5	32.3	1370
4	25	31.6	39.8	1970
4	35	34.5	43.6	2610
4	50	40.5	51.0	3600
4	70	46.5	58.6	5356
4	95	52.7	66.2	7018
4	120	58.4	73.3	8220
4	150	63.4	79.7	8905
4	185	71.2	89.4	10730
4	240	78.2	98.2	13560