FEICHUN

AnHui Feichun SpecialCable Co., Ltd

NSHTOEU

Low Voltage Reeling Cable



Contact Information

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Website 1: https://www.feichuncables.com/

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Application

Flexible low voltage reeling cable for application under medium mechanical stresses.

Global Data

Brand	FEICHUN
Type Designation	NSHTOEU
Standard	DIN VDE 0250-814

Electrical Parameters

Rated Voltage	0.6/1 kV (600/1000V)
Max. AC Operating Voltage	0.7/1.2 kV
Max. DC Operating Voltage	0.9/1.8 kV
AC Test Voltage	2.5 kV (5 Min.)

Design Features

Conductor	Tinned copper, flexible class 5 acc. to DIN EN 60228 / DIN VDE 0295
Insulation	Rubber compound type 3GI3 acc. to DIN VDE 0207-20
Core Identification	Up to 5 cores: colored in accordance with DIN VDE 0293-308; From 6 cores: black with white numbers
Core Arrangement	Central filler, plastic or textile; cores twisted at short length of lay
Inner Sheath	Rubber compound type 5GM3 acc. to DIN VDE 0207-21
Outer Sheath	Extruded rubber compound type 5GM5 acc. to DIN VDE 0207-21. Abrasion, tear, oil and flame resistant; Color: black

Thermal Parameters

Max. Conductor Temperature	90 °C
Max. Short Circuit Temperature	250 °C
Fixed Installation Ambient Temp.	-40 °C to +80 °C
Fully Flexible Operation Temp.	-25 °C to +80 °C

Mechanical Parameters

Max. Tensile Load on Conductor	15 N/mm^2
Torsional Stress	± 50°/m
Min. Bending Radius	Acc. to DIN VDE 0298 part 3
Travel Speed	Reeling operation: up to 120 m/min

Chemical Parameters

Resistance to Fire	Acc. to IEC 60332-1 (EN 50265-2-1)
Resistance to Oil	Acc. to EN 60811-404; ASTM No. 2: 24h at 100 °C

Technical Specifications Table

Number of Cores x Cross Section (mm^2)	Conductor Diameter (max. mm)	Outer Diameter (min. mm)	Outer Diameter (max. mm)	Bending Radius (min. mm)	Weight (kg/km)	Tensile Force (max. N)	DC Resistance at 20°C (max. Ω/km)	Current Capacity (A)
Control Cables								
7x1,5	1.5	16.2	17.5	105	380	158	13.7	23

Number of Cores x Cross Section (mm^2)	Conductor Diameter (max. mm)	Outer Diameter (min. mm)	Outer Diameter (max. mm)	Bending Radius (min. mm)	Weight (kg/ km)	Tensile Force (max. N)	DC Resistance at 20°C (max. Ω/ km)	Current Capacity (A)
12x1,5	1.5	20	21.4	128	550	270	13.7	23
18x1,5	1.5	22.4	23.8	143	730	405	13.7	23
24x1,5	1.5	25.4	27	162	950	540	13.7	23
30x1,5	1.5	27.8	29.4	176	1140	675	13.7	23
42x1,5	1.5	33.3	35.3	212	1560	945	13.7	23
7x2,5	2	18.5	19.7	118	510	263	8.21	30
12x2,5	2	22.7	24.0	145	740	450	8.21	30
18x2,5	2	25.8	27.4	164	1020	675	8.21	30
24x2,5	2	30.1	32.1	193	1410	900	8.21	30
30x2,5	2	31.9	33.9	203	1570	1125	8.21	30
Power Cables (3 Cores + Split Earth)								
3x50+3x25/3	9.6	41	45	270	2850	2250	0.39	202
3x70+3x35/3	11.1	43	47	282	3860	3150	0.28	250
3x95+3x50/3	12.6	48	52	312	4720	4275	0.21	301
3x120+3x70/3	13.7	50.5	55.5	333	5820	5400	0.16	352
3x150+3x70/3	16	57	62	372	6535	6750	0.13	404
3x185+3x95/3	17.7	63	68	408	8890	8325	0.11	461
3x240+3x95/3	20.2	71	76	456	12040	10800	0.08	540
Power Cables (4 Cores)								
4x1,5	1.5	12.2	13.4	80	210	90	13.7	23
4x2,5	2	15.3	16.5	99	320	150	8.21	30
4x4	2.5	17.0	18.3	110	430	240	5.09	41
4x6	3	18.4	19.6	118	530	360	3.39	53
4x10	4.1	22.8	24.2	145	840	600	1.95	74
4x16	5.7	27.5	29.1	175	1190	960	1.24	99

Number of Cores x Cross Section (mm^2)	Conductor Diameter (max. mm)	Outer Diameter (min. mm)	Outer Diameter (max. mm)	Bending Radius (min. mm)	Weight (kg/ km)	Tensile Force (max. N)	DC Resistance at 20°C (max. Ω/ km)	Current Capacity (A)
4x25	7.2	33.5	35.5	213	1940	1500	0.8	131
4x35	8.2	35.9	38.3	230	2220	2100	0.57	162
Power Cables (5 Cores)								
5x1,5	1.5	13.4	14.6	88	250	113	13.7	23
5x2,5	2	16.2	17.5	105	380	188	8.21	30
5x4	2.5	18.2	19.5	117	490	300	5.09	41
5x6	3	20.4	21.8	131	650	450	3.39	53
5x10	4.1	24.4	26	156	1190	750	1.95	74
5x16	5.7	29.4	31.4	188	1460	1200	1.24	99
5x25	7.2	36	38.4	230	2130	1875	0.8	131
5x35	8.2	40.1	42.6	256	2810	2625	0.57	162

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Technical data, dimensions and weights are subject to change without notice.