CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain or tinned copper wires
Seperator	A suitable tape may be applied over the conductor
Insulation	3GI3 type cross-linked elastomeric compound (VDE 0207 - Part 20)
Inner Sheath	GM1b type cross-linked elastomeric compound (VDE 0207 - Part 21)
Reinforcement	Antitorsion textile braided embeded sheath
Outer Sheath	5GM3 type cross-linked elastomeric compound (VDE 0207 - Part 21)
Color	Black

MAIN CHARACTERISTICS

Construction	VDE 0250-814,TSE K 371
General Requirements	VDE 0250-1
Guide to Use	VDE 0298-3, VDE 0298-4
Electrical Tests	VDE 0472-501, 502, 503, 508
Non-electrical Tests	VDE 0472-401, 402, 602, 303, 615
Conductor Resistance	VDE 0295, IEC 60228
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

Rated Voltage	600 / 1000 V (U_0/U)
AC Test Voltage	3,5 kV
Operating Tempetature	
In Flexing Use	-25˚C to +80˚C
In Fixed Use	-40˚C to +80˚C
Max. Conductor Operating Temp.	90˚C
Conductor Short-Circuit Temp.	250˚C (Max. 5 sec)
Min. Installation Temp.	-15˚C
Min. Bending Radius	VDE 0298-3 Tab.3
Current Carrying Capacities	VDE 0298-4 Tab.11

APPLICATIONS

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 mecnical load and as drum and drag cable in dry, damp or wet rooms and wet industrial conditions. For monospiral reeling applications, please refer our Reelkab RV (N)SHTÖU cables.

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x1,5	11,90	200	48	13,70
3x2,5	13,40	255	67	8,21
3x4	16,10	378	81	5,09
3x6	17,20	455	86	3,39
3x10	21,30	713	107	1,95
3x16	23,40	930	117	1,24
3x25	29,30	1426	147	0,795
3x35	32,70	1868	164	0,565
3x50	38,20	2573	191	0,393
3x70	42,30	3374	212	0,277
3x95	48,40	4410	242	0,206
3x120	52,10	5321	261	0,164
3x150	55,90	6354	280	0,132
3x185	62,70	7836	314	0,108
3x240	71,60	10396	358	0,0817
3x16+10	25,70	1163	129	1,24
3x25+16	31,60	1736	158	0,795
3x35+16	35,10	2219	176	0,554
3x50+25	41,10	3073	206	0,386
3x70+35	45,60	4035	228	0,272
3x95+50	50,40	5077	252	0,206
3x120+70	56,30	6471	282	0,161
3x150+70	60,50	7628	303	0,129
3x185+95	66,00	9155	330	0,106
3x240+120	77,30	12466	387	0,0801
4x1,5	12,70	225	64	13,30
4x2,5	15,60	344	78	7,98
4x4	17,30	448	87	4,95
4x6	18,50	545	93	3,30
4x10	22,00	810	115	1,91
4x16	26,40	1202	132	1,21
4x25	33,30	1860	167	0,78
4x35	35,50	2298	178	0,554

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x50	41,50	3171	208	0,386
4x70	46,10	4195	231	0,272
4x95	52,70	5478	264	0,206
4x120	58,60	6883	293	0,161
4x150	62,90	8231	315	0,129
4x185	70,30	10104	352	0,106
4x240	80,10	13381	401	0,0801
5x1,5	13,60	261	68	13,30
5x2,5	16,70	400	84	7,98
5x4	18,60	525	93	4,95
5x6	20,80	683	104	3,30
5x10	24,80	1015	124	1,91
5x16	28,50	1424	143	1,21
5x25	36,10	2212	181	0,78
5x35	40,00	2881	200	0,554
5x50	45,10	3795	226	0,386
5x70	52,10	5270	261	0,272
5x95	58,40	6789	292	0,206
7x1,5	16,70	397	84	13,30
7x2,5	19,00	537	95	7,98
7x4	22,10	760	111	4,95
7x6	23,80	935	119	3,30
7x10	29,80	1493	149	1,91
7x16	34,50	2116	173	1,21
7x25	43,50	3271	218	0,78
7x35	46,50	4069	233	0,554
12x1,5	20,10	570	101	13,30
12x2,5	23,10	782	116	7,98
12x4	27,00	1117	135	4,95
18x1,5	22,80	757	114	13,30
18x2,5	27,20	1116	136	7,98
18x4	32,10	1596	161	4,95

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
24x1,5	25,90	941	130	13,30
24x2,5	31,00	1396	155	7,98
30x2,5	35,7	1921	179	7,98
36x1,5	30,00	1328	150	13,30
36x2,5	36,20	2004	181	7,98