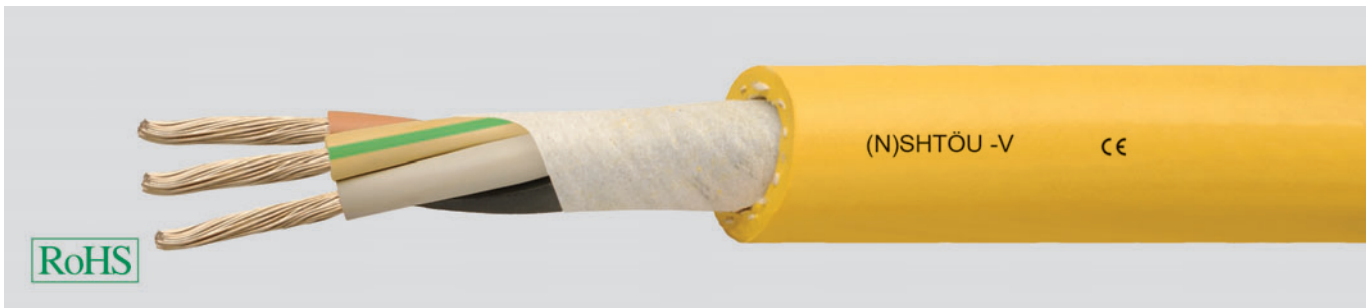


(N)SHTÖU-V Trailing-Cable



Technical data

- Special trailing cable according to DIN VDE 0250, Part 814
- **Temperature range**
Flexing -25 °C to +80 °C
- **Max. temperature at the conductor**
during operation +90 °C
on short-circuit +250 °C
- **Nominal voltage**
U₀/U 0,6/1 kV
- **Maximum permitted operating voltages**
in three-phase and one-phase alternating
current installations
U₀/U 0,7/1,2 kV
Direct current installations
U₀/U 0,9/1,8 kV
- **Test voltage** 4 kV
- **Insulation resistance**
min. 10 MΩm x km
- **Minimum bending radius**
7,5x cable ø

Cable structure

- Tinned copper conductor, fine wire
stranded according to DIN VDE 0295 cl. 5,
BS 6360 cl. 5 or IEC 60228 cl. 5
- Insulating sleeve from special rubber
compound 3GI3 in accordance with DIN
VDE 207 Part 20
- Core identification in accordance with DIN
VDE 0293 Part 308 (HD 308 S2)
- Cores stranded (without elongated central
core) with max. lay-length of 8 x ø over the
stranded layers)
- Depending on dimension/structure with
Kevlar fillers
- Inner sheath: Special rubber,
compound-type 5GM5
- Torsion protection between inner and
outer sheath
- Outer sheath from special rubber
compound, compound type 5GM5
according to DIN VDE 0207 Part 21
- Sheath colour - yellow

Properties

- Permitted running speed up 180 m/min
- **Fire behaviour**
Test in accordance with 0482-332-1-2, DIN
EN 60332-1-2/ IEC 60332-1 (conforms to
DIN VDE 0472 Part 804 Test method B)
- **Oil resistant**
Test in accordance with DIN EN 60811-2-1
IEC 60811-2-1
- Highly resistant to acids, fats, gasoline,
solvents and chemicals
- During installation and operation, the
tensile stress must not exceed 30 N/mm²

Application

For vertical drum operation under extreme mechanical stress and on moving cable carriers. Used as a rugged feeder to construction machines, conveyor, transport and crane systems in dry, damp, wet environments and outdoors. For applications that go beyond standard solutions we recommend you to our specially developed questionnaire for reeling cables. Please note installation instructions.

CE – The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Power supply Cable

Part no.	No. cores x cross-sec. mm ²	Outer ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	Tensile strain max. N	AWG-No.
31040	3 G 1,5	10,9 - 13,6	45,0	191,0	130	-
31041	3 G 2,5	12,3 - 14,8	74,0	240,0	220	-
31042	3 G 4	14,9 - 17,6	115,0	362,0	360	-
31043	3 G 6	16,2 - 18,9	173,0	450,0	540	-
31044	3 G 10	19,6 - 22,6	288,0	682,0	900	-
31045	3 G 16	21,8 - 24,9	461,0	890,0	1440	-
31046	3 G 25	27,5 - 30,8	720,0	1200,0	2250	-
31047	3 x 50 + 3 G 25	36,9 - 40,6	1685,0	2810,0	4500	-
31048	3 x 70 + 3 G 35	40,4 - 44,4	2355,0	3760,0	6300	-
31049	3 x 95 + 3 G 50	46,6 - 50,8	3215,0	4700,0	8550	-
31050	3 x 120 + 3 G 70	50,8 - 55,2	4130,0	5950,0	10800	-
31051	3 x 150 + 3 G 90	55,4 - 60,0	4990,0	7050,0	13500	-
31052	3 x 185 + 3 G 95	60,8 - 65,7	6250,0	8800,0	16650	-
31053	3 x 240 + 3 G 120	68,8 - 74,0	8065,0	11700,0	21600	-
31054	4 G 1,5	11,8 - 14,5	58,0	220,0	180	-
31055	4 G 2,5	14,4 - 17,1	99,0	330,0	300	-
31056	4 G 4	16,2 - 18,8	158,0	440,0	480	-
31057	4 G 6	17,4 - 20,2	241,0	530,0	720	-
31058	4 G 10	24,4 - 21,3	404,0	835,0	1200	-
31059	4 G 16	24,7 - 27,9	642,0	1175,0	1920	-
31060	4 G 25	31,4 - 34,9	1005,0	1850,0	3000	-
31061	4 G 35	37,5 - 33,9	1344,0	2250,0	4200	-
31062	4 G 50	40,3 - 44,2	2010,0	3210,0	6000	-
31063	4 G 70	44,5 - 48,6	2687,0	4210,0	8400	-
31064	4 G 95	51,1 - 55,5	3646,0	5550,0	11400	-
31065	4 G 120	57,4 - 62,0	4605,0	7010,0	14400	-
31066	4 G 150	62,6 - 67,6	5765,0	8450,0	18000	-
31067	4 G 185	68,1 - 73,2	7110,0	10000,0	22200	-
31068	5 G 1,5	12,8 - 15,5	73,0	258,0	220	-
31069	5 G 2,5	15,5 - 18,2	124,0	389,0	370	-
31070	5 G 4	17,4 - 20,2	220,0	511,0	600	-
31071	5 G 6	19,6 - 22,7	317,0	688,0	900	-
31072	5 G 10	23,2 - 26,3	508,0	1002,0	1500	-
31073	5 G 16	26,7 - 30,2	768,0	1395,0	2400	-
31074	5 G 25	34,1 - 37,7	1005,0	2205,0	3750	-
31075	5 G 35	38,3 - 42,2	1344,0	2960,0	5250	-
31076	5 G 50	43,8 - 47,8	2010,0	3950,0	7500	-
31077	5 G 70	50,2 - 54,6	2688,0	5455,0	10500	-

Control Cable (Kevlar fillers)

Part no.	No. cores x cross-sec. mm ²	Outer ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	Tensile strain max. N	AWG-No.
31078	49 G 1	31,0 - 34,5	470,0	1420,0	3450	-
31079	7 G 1,5	14,6 - 16,9	115,0	320,0	2318	-
31080	12 G 1,5	20,6 - 23,4	196,0	620,0	2540	-
31081	18 G 1,5	20,3 - 22,9	271,0	650,0	2810	-
31082	24 G 1,5	24,2 - 27,4	390,0	930,0	3080	-
31083	30 G 1,5	27,7 - 31,1	432,0	1190,0	3350	-
31084	36 G 1,5	27,9 - 31,3	518,0	1240,0	3620	-
31085	44 G 1,5	31,2 - 34,8	634,0	1530,0	3980	-
31086	48 G 1,5	31,8 - 35,4	691,0	1610,0	4160	-
31087	56 G 1,5	35,9 - 39,7	807,0	2020,0	4520	-
31088	7 G 2,5	17,5 - 19,8	168,0	480,0	2520	-
31089	12 G 2,5	23,8 - 26,7	308,0	915,0	2900	-
31090	18 G 2,5	23,4 - 26,2	451,0	945,0	3350	-
31091	24 G 2,5	28,2 - 31,1	615,0	1330,0	3800	-
31092	30 G 2,5	31,1 - 34,4	770,0	1615,0	4250	-
31093	36 G 2,5	31,3 - 34,7	866,0	1710,0	4680	-
31094	44 G 2,5	36,2 - 40,2	1057,0	2240,0	5250	-
31095	48 G 2,5	37,2 - 41,0	1153,0	2410,0	5550	-
31096	56 G 2,5	41,6 - 46,0	1344,0	2930,0	6150	-

Dimensions and specifications may be changed without prior notice. (RG01)