



TECHNICAL DATA

Reelable control and connection cable acc. to DIN VDE 0250-814

Temperature range	flexible -25°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U ₀ /U 600/1000 V
Max. permissible operating voltage	alternating current (AC) conductor/earth 700 V three-phase alternating current (AC) conductor/conductor 1200 V direct current (DC) conductor/earth 900 V direct current (DC) conductor/conductor 1800 V
Test voltage core/core	2500 V
Tensile stress	during installation and operation, 15 N/mm ²
Minimum bending radius	flexible ≤ 20 mm: 5x Outer-Ø > 20 mm: 6x Outer-Ø

CABLE STRUCTURE

- Copper conductor tinned, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: rubber acc. to DIN VDE 0207-20 (compound type 3GI3)
- Core identification acc. to DIN VDE 0293-308,
3 - 5 core(s): colour coded
7 - 50 core(s): black cores with consecutive labeling in white digits
- G = with protective conductor GN-YE, in the outer layer
- Cores stranded in layers with optimal lay lengths
- Textile bandage
- Inner sheath: rubber
- Anti-torsion protective layer

- Outer sheath: rubber acc. to DIN VDE 0207-21 (compound type 5GM3)
- Sheath colour: black

PROPERTIES

- resistant to: oil, ozone, solvents, petrol, acids, chemicals, greases
- abrasion-resistant
- for outdoor use
- operating parameters for reeling applications
acceleration (max.): 0.4 m/s²
velocity (max.): 120 m/min
- for horizontal reeling operations

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- certifications and approvals:
EAC

APPLICATION

Reeling cables are used for applications involving high mechanical stress, especially for applications requiring frequent winding and unwinding with simultaneous tensile and torsional stress; for construction machinery, conveying and lifting equipment and crane systems. For use as a robust and weather resistant cable in roughest operations such as mobile transport equipment, railway engines and in mining. Suitable for installation in dry, damp and wet rooms as well as outdoors.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- for use in reeling applications:
1) the assembly instructions must be observed
2) for special applications, we recommend that you contact us and complete our form for reelable cables

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
26001	3 G 1.5	16	11.3 - 14.8	43.0	236.0
26029	4 G 1.5	16	12.1 - 15.6	58.0	274.0
26002	5 G 1.5	16	13.0 - 16.5	72.0	316.0
26003	7 G 1.5	16	15.0 - 19.0	101.0	440.0
26004	12 G 1.5	16	19.1 - 21.9	173.0	606.0
26005	16 G 1.5	16	20.9 - 23.1	230.0	696.0
26006	18 G 1.5	16	21.7 - 25.0	260.0	750.0
26007	24 G 1.5	16	24.6 - 28.6	346.0	1150.0
26008	30 G 1.5	16	25.8 - 29.6	432.0	1325.0
26009	3 G 2.5	14	12.7 - 16.3	72.0	305.0
26010	4 G 2.5	14	14.8 - 17.7	96.0	350.0
26011	5 G 2.5	14	15.9 - 18.8	120.0	465.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
26012	7 G 2.5	14	16.8 - 21.1	168.0	576.0
26013	12 G 2.5	14	21.0 - 25.1	288.0	850.0
26014	18 G 2.5	14	24.9 - 28.7	432.0	1181.0
26015	24 G 2.5	14	29.2 - 33.2	576.0	1550.0
26016	30 G 2.5	14	30.7 - 34.4	720.0	1810.0
26017	40 G 2.5	14	35.6 - 39.4	960.0	3110.0
26018	50 G 2.5	14	43.9 - 45.6	1200.0	3200.0
26019	4 G 4	12	16.4 - 19.2	154.0	510.0
26030	5 G 4	12	17.7 - 20.4	192.0	635.0
26020	4 G 6	10	17.6 - 20.6	230.0	650.0
26031	5 G 6	10	19.8 - 23.2	288.0	800.0
26021	4 G 10	8	21.8 - 24.9	384.0	1010.0

NSHTÖU

reelable, oil resistant



Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
26022	5 G 10	8	24.4 - 26.7	480.0	1200.0
26023	4 G 16	6	25.1 - 29.1	614.0	1300.0
26032	5 G 16	6	27.1 - 31.4	768.0	1700.0
26024	4 G 25	4	31.6 - 35.5	960.0	2000.0
26025	4 G 35	2	33.7 - 38.3	1344.0	2610.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
26026	4 G 50	1	39.4 - 43.6	1920.0	3500.0
26027	4 G 70	2/0	43.8 - 48.7	2688.0	4600.0
26028	4 G 95	3/0	50.1 - 57.3	3648.0	6100.0
72328	4 G 120	4/0	55.7 - 62.0	4860.0	7200.0