JB-750 / OB-750



TECHNICAL DATA

PVC control and connection cable in alignment with DIN VDE 0285-525-2-11 / DIN EN 50525-2-11

Temperature range	flexible -15°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U_0/U 450/750 V fixed and protected installation AC U_0/U 600/1000 V
Test voltage core/core	4000 V
Breakdown voltage	8000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2)
- Core identification acc. to JB/OB colour code, colour coded
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, X = without protective conductor (OB)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil, for details, see "Technical Information"
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals: EAC

APPLICATION

Used for flexible applications involving medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms, however, not suitable for outdoor use as a connection and control cable in machine tools, assembly lines, conveyor belts, production lines, plant construction, heating and air-conditioning technology, power plants, smelters and steel mills.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- cleanroom qualification tested on analog types; please note "cleanroom qualification" in your order

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11161	2 x 2.5	14	8.6	48.0	130.0
11162	3 G 2.5	14	9.3	72.0	164.0
11163	3 x 2.5	14	9.3	72.0	164.0
11164	4 G 2.5	14	10.2	96.0	200.0
11165	4 x 2.5	14	10.2	96.0	200.0
11166	5 G 2.5	14	11.4	120.0	247.0
11167	5 x 2.5	14	11.4	120.0	247.0
11168	6 G 2.5	14	12.6	144.0	301.0
11169	7 G 2.5	14	12.6	168.0	321.0
11121	2 x 4	12	10.6	76.8	195.0
11144	3 G 4	12	11.3	115.0	235.0
11122	4 G 4	12	12.6	154.0	295.0
11123	5 G 4	12	13.9	192.0	361.0
11124	7 G 4	12	15.4	269.0	498.0
11125	11 G 4	12	20.9	422.0	767.0
11126	3 G 6	10	12.8	173.0	355.0
11127	4 G 6	10	14.2	230.0	424.0
11128	5 G 6	10	15.8	288.0	525.0
11129	7 G 6	10	17.4	403.0	625.0
11153	3 G 10	8	16.2	290.0	611.0
11130	4 G 10	8	18.2	384.0	701.0
11131	5 G 10	8	20.1	480.0	858.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11132	7 G 10	8	22.2	672.0	1106.0
11154	3 G 16	6	19.8	461.0	912.0
11133	4 G 16	6	22.2	614.0	1035.0
11134	5 G 16	6	24.4	768.0	1259.0
11135	7 G 16	6	27.0	1075.0	1780.0
11155	3 G 25	4	24.4	720.0	1388.0
11136	4 G 25	4	27.2	960.0	1581.0
11137	5 G 25	4	30.1	1200.0	1997.0
11156	3 G 35	2	27.0	1008.0	1767.0
11138	4 G 35	2	30.0	1344.0	2105.0
11139	5 G 35	2	33.4	1680.0	2636.0
11157	3 G 50	1	31.9	1440.0	2556.0
11140	4 G 50	1	35.6	1920.0	2940.0
11145	5 G 50	1	39.3	2400.0	3936.0
11158	3 G 70	2/0	36.4	2016.0	3182.0
11141	4 G 70	2/0	40.3	2688.0	4090.0
11146	5 G 70	2/0	44.9	3360.0	5443.0
11159	3 G 95	3/0	41.5	2736.0	4676.0
11142	4 G 95	3/0	46.2	3648.0	5540.0
11147	5 G 95	3/0	51.3	4560.0	6931.0
11160	3 G 120	4/0	45.8	3456.0	5630.0
11143	4 G 120	4/0	51.4	4608.0	7000.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11148	4 G 150	300 kcmil	58.2	5760.0	8340.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11149	4 G 185	350 kcmil	64.4	7104.0	9904.0

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