

THERM 120

Flexible, heat resistant PVC cables



Cable structure

- Stranded copper core according IEC 60228 cl. 5
- Special PVC core insulation
- Color coded cores according to DIN VDE 0293
- Green-yellow earth core in the outer layer, from 3 cores and more
- Cores stranded in layers with optimal lay-length
- Outer jacket of special PVC, color black
- Self-extinguishing and flame resistant PVC according to IEC 60332-1

Technical data

- **Temperature range** flexing from -5 °C to +105 °C
fixed from -30 °C to +105 °C
short time to +120 °C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage a.c.** 2000 V
- **Minimum bending radius** approx. 7,5× cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Application

These cables are used as flexible, connecting cables in applications without mechanical stress with free movement. Tensile stress on the cable must be avoided. The THERM 120 can be used in dry, moist and wet areas as supply cables for machines, engines, transformers and areas with expected higher temperature load.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.
Conforms to RoHS.

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0424002	2×0,5	5,0	9,6	40
0424003	3×0,5	5,3	14,4	50
0424004	4×0,5	5,8	19,2	60
0424005	5×0,5	6,7	24,0	70
0424006	7×0,5	8,8	33,6	90
0424007	12×0,5	11,1	58,0	140
0424008	18×0,5	12,9	86,0	170
0424009	25×0,5	15,8	101,0	250
0424011	2×0,75	6,2	14,4	52
0424012	3×0,75	6,6	21,6	61
0424013	4×0,75	7,1	29,0	75
0424014	5×0,75	8,0	36,0	94
0424015	7×0,75	9,5	50,0	112
0424016	12×0,75	11,6	86,0	180
0424017	18×0,75	13,9	130,0	270
0424018	25×0,75	16,9	180,0	380
0424019	1×1	6,0	9,6	50
0424020	2×1	6,5	19,2	60
0424021	3×1	6,9	29,0	73
0424022	4×1	7,7	38,0	88
0424023	5×1	8,4	48,0	110
0424024	6×1	9,3	58,0	121

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0424025	7×1	10,0	67,0	130
0424026	12×1	12,5	115,0	223
0424027	18×1	14,7	173,0	350
0424028	25×1	17,8	240,0	485
0424030	2×1,5	7,4	29,0	77
0424031	3×1,5	8,1	43,0	97
0424032	4×1,5	9,0	58,0	122
0424033	5×1,5	10,0	72,0	143
0424034	7×1,5	11,9	101,0	179
0424035	12×1,5	14,5	173,0	310
0424036	18×1,5	17,4	259,0	460
0424037	25×1,5	21,3	360,0	650
0424039	2×2,5	9,3	48,0	120
0424046	3×2,5	10,1	72,0	150
0424040	4×2,5	11,0	96,0	200
0424041	5×2,5	12,3	120,0	250
0424042	7×2,5	14,6	168,0	310
0424044	2×4	10,6	77,0	180
0424291	3×4	11,5	115,0	220
0424045	4×4	12,5	154,0	300
0424292	5×4	15,1	192,0	360