Treoflex H05BQ-F/H07BQ-F PUR sheathed cable

Technical Data

- **Conductor Material**
  Copper, bare or tinned
- **Conductor Class**
  Class 5
- **Core insulation**
  Rubber insulation
- **Core identification**
  Colored acc. VDE 0293, more than 2 cores with green/yellow earth conductor
- **Stranding**
  Cores twisted in Layers
- **Outer sheath**
  Polyurethane
- **Sheath colour**
  Orange
- **Rated voltage [V]**
  HO5BQ-F: 300/500
  HO7BQ-F: 450/750
- **Testing Voltage**
  2000
- **min. bending radius fixed [xd]**
  5 x d
- **min. bending radius moved [xd]**
  12.5 x d
- **Working temp fixed min/max [C]**
  -40°C up to +90°
  Working temp moved min/max [C]
  -40°C up to +90°
- **Temp at conductor max.**
  + 90°C
- **Burning behaviour**
  VDE 0482-332-1-2/IEC 60332-1

Design:

- fine strands of bare or tinned copper conductors
- PUR outer sheath, flame-retardant, orange with printing
- earth conductor green/yellow
- rubber insulated cores according to VDE 0207 part 20
- Core marking: up to 5 cores colour coded according to VDE 0293; 7 and up, cores and over black with printed consecutive number coding
- cores twisted in layers
- stranding acc. to VDE 0295 class 5
- H05BQ-F till 1mm², 1,5mm² and higher H07BQ-F

Note

- G = with green-yellow earth core;
- X = without green-yellow earth core

Application

Suitable for installation in dry, moist and wet rooms as well as for outdoor installation if exposed to harsh mechanical strain.
Used were a high chemical and abrasion resistance, impact strength and resistance to oil is required for example industrial plant.
Used as feed cable for hand-held electrical equipment with hot parts or heat radiation, such as soldering and heating apparatus drills etc.
Special characteristics of this cable are;
oil resistance
weathering resistance
hydrolysis resistance
microbes resistance
halogen free

Part Number	No. of cores x cross-sec. mm2	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA50.0007.02	2 x 0.75	5.7 - 7.4	14.4	52
TA50.0007.03	3 G 0.75	6.2 - 8.1	21.6	63
TA50.0007.04	4 G 0.75	6.8 - 8.8	29	80
TA50.0007.05	5 G 0.75	7.6 - 9.9	36	96
TA50.0010.02	2 x 1	6.1 - 8.0	19.2	59
TA50.0010.03	3 G 1	6.5 - 8.5	29	71
TA50.0010.04	4 G 1	7.1 - 9.3	38.4	89
TA50.0010.05	5 G 1	8.0 - 10.3	48	112
TA50.0015.02	2 x 1.5	7.6 - 9.8	29	92
TA50.0015.03	3 G 1.5	8.0 - 10.4	43	109
TA50.0015.04	4 G 1.5	9.0 - 11.6	58	145
TA50.0015.05	5 G 1.5	9.8 - 12.7	72	169
TA50.0015.07	7 G 1.5	13.0 - 15.0	101	230
TA50.0015.12	12 G 1.5	17.0 - 20.0	173	398
TA50.0025.02	2 x 2.5	9.0 - 11.6	48	121
TA50.0025.03	3 G 2.5	9.6 - 12.4	72	164
TA50.0025.04	4 G 2.5	10.7 - 13.8	96	207
TA50.0025.05	5 G 2.5	11.9 - 15.3	120	262

Part Number	No. of cores x cross-sec. mm2	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA50.0040.02	2 x 4	10.6 - 13.7	77	194
TA50.0040.03	3 G 4	11.3 - 14.5	115	224
TA50.0040.04	4 G 4	12.7 - 16.2	154	327
TA50.0040.05	5 G 4	14.1 - 17.9	192	415
TA50.0040.02	2 x 6	11.8 - 15.1	115	311
TA50.0060.03	3 G 6	12.8 - 16.3	173	310
TA50.0060.04	4 G 6	14.2 - 18.1	230	496
TA50.0060.05	5 G 6	15.7 - 20.0	288	586
TA50.0100.02	2 x 10	15.6 - 19.9	192	428
TA50.0100.03	3 G 10	16.8 - 21.4	288	640
TA50.0100.04	4 G 10	18.6 - 23.6	384	738
TA50.0100.05	5 G 10	20.4 - 25.9	480	968
TA50.0160.02	2 x 16	17.9 - 22.8	307	600
TA50.0160.03	3 G 16	19.5 - 24.7	461	758
TA50.0160.04	4 G 16	21.3 - 27.0	614	1187
TA50.0160.05	5 G 16	23.7 - 30.0	768	1475