

ROBOFLEX PUR class 6

Cable Structure:

- Bare copper, bunch stranded to DIN VDE 0295 cl.6, col4 and IEC 60228 cl.6, extra fine wire conductors
- Black cores with continuous white numbering
- Green/Yellow earth core in the outer layer from 3 cores and above
- Special core insulation, modified PP
- Cores stranded in layers with optimal selected lay-length
- Special core wrapping over each layer
- Special full-polyurethane outer jacketed TMPU to DIN EN 50363-10-2, black mat to prevent adhesion

Technical Data:

- Nom. Voltage: 300/500V
- Test Voltage: 4000V
- Temperature Range:
 - Flexing: -30°C.....+80°C
 - Fixed: -40°C.....+80°C
- Temperature at conductor: +90°C in operation; +150°C in case of short circuit
- Flame retardant: acc. to Din EN 60332-1-2
- Oil Resistant: acc. to DIN EN 50363-10-2 / DIN EN 60811-2-1
- Bending radius: 7,5 x diameter

Application

The special cable for drag chains are used for permanent flexible applications in machineries, machine tools, multi-shift, machinery parts, for movable automated and robot technics operation.

Dimension N x mm		Outerdiameter		Copper weight kg/km	Total kg/km
		min.	max. mm		
2 x 0,5	mm ²		4,8	10	37
4 G 0,5	mm ²		5,4	20	58
14 G 0,5	mm ²		8,9	68	141
4 G 0,75	mm ²		5,9	30	63
7 G 1	mm ²		7,8	70	122
12 G 1	mm ²		10,9	120	201
18 G 1	mm ²		12,8	180	277
2 x 1,5	mm ²		6,4	30	71
3 G 1,5	mm ²		7,2	45	86
4 G 1,5	mm ²		7,8	60	104
5 G 1,5	mm ²		8,9	75	132
7 G 1,5	mm ²		11	105	181
12 G 1,5	mm ²		13,1	180	279
2 x 2,5	mm ²		7,8	50	105
3 G 2,5	mm ²		8,8	75	124
4 G 2,5	mm ²		9,5	100	164