GAALFLEX® ROBOT 118 D

PUR torsion cable with overall copper screen ± 360°/ 1 mt, max. 350 V (up to 0,34 mm²), 300/500 V (from 0,5 mm²)



Construction:

CONDUCTOR: **FROM 0,14 mm² UP TO 0,34 mm²:** FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC. TO IEC 60228, DIN VDE 0295 **FROM 0,50 mm²:** FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295

INSULATION: SPECIAL TPE COMPOUND

COLOUR CORES: **UP TO 0,34 mm²:** ACC. TO DIN 47100 **FROM 0,50 mm²:** ACC. TO DIN VDE 0293-308, HD 308 S2 FROM 6 CORES BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334; GREEN-YELLOW EARTH-WIRE FROM 3 CORES

STRANDING: IN LAYERS

WRAPPING: SPECIAL SEPARATING FOIL

SCREEN: TINNED COPPER WIRES HELICALLY WOUND

OUTER SHEATH: BLACK (RAL 9005), SPECIAL PUR COMPOUND

Technical data:

NOMINAL VOLTAGE: **UP TO 0,34 mm²:** 350 V (OPERATING, PEAK VOLTAGE) **FROM 0,5 mm²:** 300/500 V

TEST VOLTAGE: **UP TO 0,34 mm²:** 1,5 kV x 5 min **ABOVE 0,5 mm²:** 3 kV x 5 min

TEMPERATURE RANGE:

FIXED LAYING: - 40°C UP TO + 80°C

FLEXIBLE INSTALLATION: - 30°C UP TO + 80°C

MIN. BENDING RADIUS: 7,5 x D

TORSION ANGLE: UP TO ± 360°/1 mt (TESTED)

Resistance:

FLAME RETARDANT ACC.TO: DIN VDE 0482 PART 265-2-1, EN 50265-2-1 IEC 60332-1

OIL RESISTANCE ACC. TO: DIN VDE 0473 PART 811-2-1, EN IEC 60811-2-1

Features:

HIGH ABRASION RESISTANCE

UV RESISTANCE

OXYGENE AND OZONE RESISTANCE

ROHS AND CE APPROVAL

Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weigwht kg/km	Cable weight approx. kg/km	AWG no.*)
38040C74100M01	10 x 0,14	8,2	34,2	68	26
38040C74120M01	12 x 0,14	8,4	42,1	100	26
38040C74180M01	18 x 0,14	10	54,5	126	26
38040C74250M01	25 x 0,14	11,2	69	162	26
38040C74120M02	12 x 0,25	8,6	59,5	134	24
38040C74180M02	18 x 0,25	10,5	80	169	24
38040C74250M02	25 x 0,25	11,5	103	221	24
38040C74120M03	12 x 0,34	9,2	78	169	22
38040C74180M03	18 x 0,34	11,3	101	218	22
38040C74250M03	25 x 0,34	12,5	158	312	22
38040D70121M05	12 g 0,5	11,6	117	182	20
38040D70251M05	25 g 0,5	15,3	255	356	20
38040D70121M07	12 g 0,75	12,5	155	228	19
38040D70181M07	18 g 0,75	15,5	210	313	19
38040D70251M07	25 g 0,75	17,1	275	421	19
38040D70121M10	12 g 1	13,5	190	272	18
38040D70181M10	18 g 1	16,6	245	397	18
38040D70251M10	25 g 1	18,6	345	547	18
38040D70121M15	12 g 1,5	16,9	260	352	16
38040D70181M15	18 g 1,5	20,7	370	493	16
38040D70251M15	25 g1,5	22,9	498	719	16

Other dimension and colours available on request.