GAALFLEX® TRAY 1002 CY Lean

Special PVC oil resistant, flexible tray cable, Machine-Tool cable, with overall copper screen,
acc. to UL 1277 (TC-ER) DIR BUR OIL RES I 600 V 90°C Dry / 75°C Wet FT4
or UL 1277 FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C Dry and UL 2277 WTTC 1000 V 90°C Dry
or UL 1063 MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE CIC/TC-ER PVC FT4 or AWM I/II A/B 90°C 1000 V FT1



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 522 **FROM 18 TO 16 AWG:** CORE TYPE TFF **FROM 14 AWG AND OVER:** CORE TYPE THHW ACC. TO UL 83
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
SCREEN:	ALUMINIUM TAPE AND TINNED COPPER BRAID
OUTER SHEATH:	BLACK (RAL 9005), SPECIAL PVC OIL RESISTANT COMPOUND ACC. TO UL 1277 AND UL 1063

Resistance:

FIRE PERFORMANCE ACC. TO:
(UL) FT4/IEEE, UL 1685

OIL RESISTANCE ACC. TO:
TO UL OIL RES I

UV RESISTANT / SUNLIGHT RESISTANT ACC. TO:
EN 50396 AND HD 605 A1, UL 1581

Technical data:

NOMINAL VOLTAGE:	**UL-TC/MTW** 600 V
NOMINAL VOLTAGE:	**IEC / UL-AWM** 1000 V
TEST VOLTAGE:	4 kV
TEMPERATURE RANGE	
FIXED LAYING :	- 40 °C UP TO + 90°C (**UL-AWM** UP TO + 105°C)
FLEXIBLE APPLICATION:	- 5°C UP TO + 90°C (**UL-AWM** UP TO + 105°C)
MIN. BENDING RADIUS:	
FIXED LAYING :	6 x D
FLEXIBLE INSTALLATION:	20 x D

Features:

AWM STYLE 10012/21179 90°C 600 or 1000 V
C(UL) CONTROL CABLE CIC/TC-ER PVC FT4,
CSA AWM I/II A/B 90°C 1000 V FT1

ACC. TO UL 1063 UL(MTW) "FLEXING " AND UL 1277 (TC-ER)
DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4

ACC. TO UL 2277: FLEXIBLE MOTOR SUPPLY LEAD CABLE
AND WIND TURBINE TRAY CABLE (WTTC) 1000 V 90°C DRY

ACC. TO NFPA 79 2007 AND NEC 336.10(7)
CLASS 1 DIV. 2 ART 336, 392, 501

DIRECT BURIAL ACC. TO UL 1277 PART. 5.2.
(WET LOCATION INSULATIONS)
AND 18.1 - 18.6 (CRUSHING TEST)

OUTDOOR USE

EXPOSED RUNS

CABLE FOR TRAY USE

OIL RESISTANCE

SUITABLE FOR SUBMERSIBLE PUMP

WATER RESISTANCE

SILICON FREE

ROHS AND CE APPROVAL

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Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
32240H71020A18	2 x 1	8,5	44,0	100	18
32240H70031A18	3 g 1	8,9	58,4	122	18
32240H70041A18	4 g 1	9,7	67,9	145	18
32240H70051A18	5 g 1	10,5	82,6	175	18
32240H70071A18	7 g 1	11,4	106,7	212	18
32240H70121A18	12 g 1	15,5	185,2	350	18
32240H70181A18	18 g 1	17,9	260,5	485	18
32240H70251A18	25 g 1	20,3	336,3	610	18
32240H71020A16	2 x 1,5	9,2	58,4	125	16
32240H70031A16	3 g 1,5	9,7	72,7	145	16
32240H70041A16	4 g 1,5	10,5	92,2	185	16
32240H70051A16	5 g 1,5	11,4	111,5	220	16
32240H70071A16	7 g 1,5	12,4	145,3	270	16
32240H70121A16	12 g 1,5	16,9	251,8	450	16
32240H70181A16	18 g 1,5	19,6	355,6	630	16
32240H70191A16	19 g 1,5	19,6	370	636	16
32240H70251A16	25 g 1,5	23,4	474,0	770	16
32240H71020A14	2 x 2,5	10,0	82,5	158	14
32240H70031A14	3 g 2,5	10,5	106,6	190	14
32240H70041A14	4 g 2,5	11,4	135,6	240	14
32240H70051A14	5 g 2,5	12,5	164,4	290	14
32240H70071A14	7 g 2,5	14,6	229,6	390	14
32240H70121A14	12 g 2,5	18,5	375,9	610	14
32240H70181A14	18 g 2,5	22,6	537,5	850	14
32240H70031A12	3 g 4	11,9	154,6	260	12
32240H70041A12	4 g 4	13,0	198,1	335	12
32240H70051A12	5 g 4	15,2	262,1	435	12
32240H70071A12	7 g 4	16,5	348,0	550	12
32240H70031A10	3 g6	13,9	217,2	355	10
32240H70041A10	4 g 6	15,3	300,7	480	10
32240H70051A10	5 g 6	16,7	367,0	570	10
32240H70041A08	4 g 10	19,4	480,8	770	8
32240H70051A08	5 g 10	22,4	585,4	960	8
32240H70041A06	4 g 16	24,6	737,3	1210	6
32240H70051A06	5 g 16	27,1	899,7	1450	6
32240H70041A04	4 g 25	28,1	1100,6	1700	4
32240H70041A02	4 g 35	31,0	1502,0	2210	2
32240H70041A01	4 g 50	37,7	2166,7	3210	1
32240H70041A2C	4 g 70	44,2	2976,1	4400	2/0
32240H70041A3C	4 g 95	47,7	3963,5	5570	3/0
32240H70041A4C	4 g 120	50,3	4937,2	6660	4/0
32240H70041A5C	4 g 150	55,9	6130,5	8260	250 MCM

Other dimension and colours available on request.