GAALFLEX® TRAY 1002

Special PVC oil resistant, flexible tray cable, Machine-Tool cable,
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
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 :	4 x D
FLEXIBLE INSTALLATION:	13 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

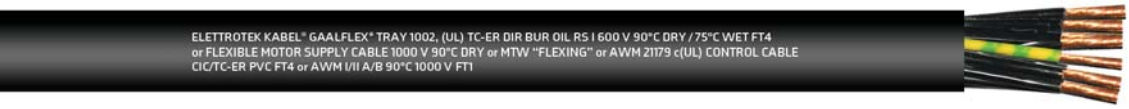
WATER RESISTANCE

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.*)
32230H71020A20	2 x 0,5	7,3	9,6	69	20
32230H71020A18	2 x 1	8	19,2	90	18
32230H70031A18	3 g 1	8,4	28,8	105	18
32230H70041A18	4 g 1	9,2	38,4	125	18
32230H70051A18	5 g 1	10	48	150	18
32230H70071A18	7 g 1	10,9	67,2	185	18
32230H70081A18	8 g 1	12,8	76,8	245	18
32230H70101A18	10 g 1	14,2	96	305	18
32230H70121A18	12 g 1	14,7	115,2	335	18
32230H70181A18	18 g 1	17,1	172,8	470	18
32230H70251A18	25 g 1	19,5	240	620	18
32230H71020A16	2 x 1,5	8,7	28,8	110	16
32230H70031A16	3 g 1,5	9,2	43,2	130	16
32230H70041A16	4 g 1,5	10	57,6	150	16
32230H70051A16	5 g 1,5	10,9	72	190	16
32230H70071A16	7 g 1,5	11,9	100,8	240	16
32230H70081A16	8 g 1,5	14,6	115,2	335	16
32230H70121A16	12 g 1,5	16,1	172,8	430	16
32230H70181A16	18 g 1,5	18,8	259,2	600	16
32230H70251A16	25 g 1,5	22,7	360	860	16
32230H70651A16	65 g 1,5	33,9	936	2016	16
32230H71020A14	2 x 2,5	9,5	48	150	14
32230H70031A14	3 g 2,5	10	72	170	14
32230H70041A14	4 g 2,5	10,9	96	210	14
32230H70051A14	5 g 2,5	12	120	255	14
32230H70071A14	7 g 2,5	13,1	168	325	14
32230H70081A14	8 g 2,5	16,1	192	440	14
32230H70121A14	12 g 2,5	17,8	288	580	14
32230H70181A14	18 g 2,5	20,9	432	820	14
32230H70251A14	25 g 2,5	24,9	600	1167	14
32230H70031A12	3 g 4	11,4	115,2	235	12
32230H70041A12	4 g 4	12,5	153,6	295	12
32230H70051A12	5 g 4	14,5	192	385	12
32230H70071A12	7 g 4	15,8	268,8	485	12
32230H70031A10	3 g6	12,6	172,8	310	10
32230H70041A10	4 g 6	14,6	230,4	415	10
32230H70051A10	5 g 6	16	288	510	10
32230H70031A08	3 g 10	17,1	288	550	8
32230H70041A08	4 g 10	18,7	384	685	8
32230H70051A08	5 g 10	20,7	480	850	8
32230H70031A06	3 g 16	20,8	460,8	840	6
32230H70041A06	4 g 16	23,9	614,4	1115	6
32230H70051A06	5 g 16	26,4	768	1375	6
32230H70031A04	3 g 25	24,9	720	1254	4
32230H70041A04	4 g 25	27,4	960	1580	4
32230H70051A04	5 g 25	30,3	1200	1953	4
32230H70041A02	4 g 35	30,1	1344	2050	2
32230H70051A02	5 g 35	34,5	1680	2365	2
32230H70031A01	3 g 50	33,1	1440	2315	1
32230H70041A01	4 g 50	36,8	1920	2980	1
32230H70041A2C	4 g 70	41,8	2688	3975	2/0
32230H70041A3C	4 g 95	46,8	3648	5200	3/0
32230H70041A4C	4 g 120	49,4	4608	6330	4/0
32230H70041A5C	4 g 150	55	5760	7660	250 MCM
32230H70041AAC	4 g 240	67,6	9216	11650	500 MCM

Other dimension and colours available on request.