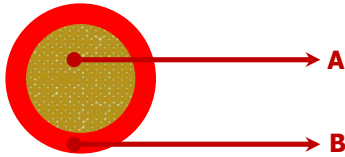


ÖLFLEX® UNIPLUS TRI

DS 820101XXYY

Valid from: 26-Jul-2018



A – Annealed Bare Copper Conductor

B – Special PVC Compound suitable for 105°C

Application

OLFLEX® UNIPLUS TRI is Tri-Rated cable which is BS, UL & CSA approved and marked. These single-conductor cables with Flame Retardant thermoplastic PVC-insulation suitable for 105° C continuous temperatures for fixed installation inside panels. They are suitable for protected, stationary use in or control units/ switchgear in conjunction with voltages up to 1000 V AC. The cables are also suitable as connection wire in equipment, for laying in protective and flexible tubes, for engines, transformers & motors.

Design

Conductor	: Annealed Bare copper, Class V in acc. to IEC 60228
Approval	: BS, UL & CSA
Insulation	: Special PVC Compound suitable for 105°C
CE approval	: CE Norm of Low Voltage Directives 73/23/EEC machine directives.
Standards	: BS 6231 Type CK; UL 758; CSA 22.2 Type TEW 105°C
File Reference	: UL/CSA : E502334 ; BS : E500457

Electrical properties

- Nominal Voltage: UL / CSA – 600 ; BS – 1000 V.
- Test voltage 3000 V AC
- Spark test AWG 26 - 20 : 4000 V AWG 10 - 18 : 5000 V

Technical Data

- BS 6231 type CK, UL 758 AWM wire PVC insulated according to UL-Style 1015 & CSA 22.2.210 AWM Type A, B I/II or Both,

Mechanical properties

- Min. bending radius : Occasional flexing: 8 x cable OD
: Fixed installation: 6 x cable OD

Temperature range

- Occasional flexing: -15 °C up to +105 °C max. Conductor temperature
- Fixed installation: -30 °C up to +105 °C max. Conductor temperature

Flame retardant properties and other tests

- Flammability in acc. with IEC 60332-1-2

Referred Standards

- BS (British Standard), UL = Underwriters Laboratories Inc.(USA), CSA = Canadian Standards Association (Canada) AWM: Appliance Wiring Metal

Special properties

RoHS : All homogeneous materials of all articles must not contain the substances of Annex II of the European Directive 2011/65/EU (RoHS) in excess of the concentration limits listed therein.

REACH: All materials used in the manufacturing process of the product are subject to the EC-Regulation No. 1907/2006 regarding Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Article No.	Conductor Cross Section	Nominal Outer Diameter (mm)	Copper Weight (Kg/Km) Approx	Cable Weight (Kg/Km) Approx	Standard Pack Length Mtrs
820101XX00	ÖLFLEX® UNIPLUS TRI 1 X 0.5 Sqmm	2.6	4.8	11.7	100
820101XX01	ÖLFLEX® UNIPLUS TRI 1 X 0.75 Sqmm	2.8	7.2	14.7	100
820101XX02	ÖLFLEX® UNIPLUS TRI 1 X 1 Sqmm	3	9.6	17.6	100
820101XX03	ÖLFLEX® UNIPLUS TRI 1 X 1.5 Sqmm	3.2	14.4	22.4	100
820101XX04	ÖLFLEX® UNIPLUS TRI 1 X 2.5 Sqmm	3.7	24.0	32.7	100
820101XX05	ÖLFLEX® UNIPLUS TRI 1 X 4 Sqmm	4.2	38.4	47	100
820101XX06	ÖLFLEX® UNIPLUS TRI 1 X 6 Sqmm	5.1	57.6	70	100
820101XX07	ÖLFLEX® UNIPLUS TRI 1 X 10 Sqmm	6.5	96.0	117	500
820101XX08	ÖLFLEX® UNIPLUS TRI 1 X 16 Sqmm	7.5	153.6	172	500
820101XX09	ÖLFLEX® UNIPLUS TRI 1 X 25 Sqmm	9.1	240.0	261	500
820101XX10	ÖLFLEX® UNIPLUS TRI 1 X 35 Sqmm	10.2	336.0	353	500
820101XX11	ÖLFLEX® UNIPLUS TRI 1 X 50 Sqmm	12.5	480.0	514	500
820101XX12	ÖLFLEX® UNIPLUS TRI 1 X 70 Sqmm	14.2	672.0	705	500
820101XX13	ÖLFLEX® UNIPLUS TRI 1 X 95 Sqmm	16.1	912.0	923	500
820101XX14	ÖLFLEX® UNIPLUS TRI 1 X 120 Sqmm	17.7	1152.0	1156	500
820101XX15	ÖLFLEX® UNIPLUS TRI 1 X 150 Sqmm	19.6	1440.0	1433	500
820101XX16	ÖLFLEX® UNIPLUS TRI 1 X 185 Sqmm	21.6	1776.0	1742	500
820101XX17	ÖLFLEX® UNIPLUS TRI 1 X 240 Sqmm	24.3	2304.0	2273	500

Product details

XX	Colour	RAL Code
00	Yellow/Green	1021/6018
01	Black	9005
02	Blue (Medium)	5015
03	Brown	8024
04	Red	3000
05	White	9003
06	Grey	7001
07	Violet	4008
08	Pink	3015
09	Orange	2003
11	Yellow	1021
12	Green	6018
14	Dark Blue	5010
15	Light Blue	5024

YY	Sqmm
00	0.5
01	0.75
02	1
03	1.5
04	2.5
05	4
06	6
07	10
08	16
09	25
10	35
11	50
12	70
13	95
14	120
15	150
16	185
17	240