

part number cable family

46443 O.R. FRX® PLUS**FORMATION:** 1G10,00

1GAWG08

INSTALLATION TYPE: CABLE FOR DYNAMIC INSTALLATION ON DRAG CHAIN**CATEGORY:** SINGLE CORE**STANDARD/APPROVAL:** CE/UL/CSA**SHIELDING:** UNSHIELDED**GROUP // 1G10,00****CONDUCTOR**

| | |
|--------------------|---|
| MATERIAL | Bare copper |
| CAPILLARY DIAMETER | - Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29) |
| CONDUCTORS NUMBER | 1 |
| RATED SECTION | 10,00 mm ² |

INTERNAL TAPING

| | |
|------------|------------------------------------|
| ON MAKE-UP | Between conductor and insulation. |
| MATERIAL | Transparent tape or Non-woven tape |

INSULATION

| | |
|----------|--------------------------------|
| MATERIAL | Polyolefin |
| COLOUR | Green RAL 6018 Yellow RAL 1021 |

TOTAL ASSEMBLY MAKE-UP**TOTAL SHEATH**

| | |
|---------------|----------------|
| COLOUR | BLACK RAL 9005 |
| DIAMETER (MM) | 7.9±0.3 |

MARKING

METRIC MARKING

P/N ***** TE.CO. E244280 - Fxx - cRUus -
AWM STYLE 10678 90°C 1000V VW-1 - AWM
I/II A/B 90°C 1000V FT1 - nxXAWG - O.R.
FRX® nGY - IEC 60332-1-2 - year/week - CE
meter indication

ELECTRICAL FEATURES

| | |
|-----------------------|------------------------------------|
| WORKING VOLTAGE | 1000 V |
| TEST VOLTAGE | 4000 V |
| INSULATION RESISTANCE | >=1 Gohm/Km acc. to EN 50395 prt.8 |

DYNAMIC FEATURES

| | |
|--|---|
| MINIMUM BENDING RADIUS STATIC INSTALLATION | 4 times \varnothing cable |
| MINIMUM BENDING RADIUS DYNAMIC INSTALLATION | 7.5 times \varnothing cable |
| WORKING TEMPERATURE STATIC INSTALLATION | -40°C / +90°C |
| WORKING TEMPERATURE DYNAMIC INSTALLATION | -5°C / +90°C |
| TRAVEL SPEED | Up to 180 m/min |
| ACCELERATION/DECELERATION | Up to 10 m/sec ² |
| CABLE LENGTH INSIDE CHAIN | Up to 15 m |
| CHAIN LENGTH NOTES | (horizontal only) |
| GUARANTEED CYCLES | Up to 5 Mio |
| NOTES | The given data are meant to be restricted to the type of reference installation. For fixed installation is meant to be without any mechanical stress. For application in dynamic installation with very low temperatures, contact our technical department. |

APPROVALS AND STANDARDS

REFERENCE STANDARDS

1581, UL 758(UL); C22.2 n° 210(CSA);
Referring to DIN VDE 0207,0285,0819 and
0295.

UL CSA APPROVALS

RU E244280 AWM STYLE 10678 90°C 1000V
CSA E244280 AWM I/II A/B 90°C 1000V

FIRE BEHAVIOUR

VW-1(UL); FT1(CSA); IEC 60332-1-2(EU); DIN
VDE 0482-332-1-2; DIN EN 60 332-1-2; UL
CABLE FLAME

INDUSTRIAL OIL RESISTANCE

1581(UL); IEC 60811-404(EU); CEI EN 50363-
4-1(EU); VDE 0473-811-404

HALOGEN FREE

NO

UV RESISTANCE

ASTM ASTM-D-2565-16; EN 50289-4-17(EU);
ISO 4892-2

CUSTOMS CODE

CUSTOMS-TARIFF NUMBER

85444999

MADE IN

IT

REVISION

DATE

25112020

NUMBER

006