



TECHNICAL DATA SHEET

part number cable family

14087 O.R. FRX®

FORMATION: 18G1

18GAWG18

INSTALLATION TYPE: CABLE FOR DYNAMIC INSTALLATION ON DRAG CHAIN

CATEGORY: MULTI CORE

STANDARD/APPROVAL: CE/UL/CSA

SHIELDING: UNSHIELDED



GROUP // 18G1

CONDUCTOR

| | |
|--------------------|---|
| MATERIAL | Bare copper |
| CAPILLARY DIAMETER | - Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29) |
| CONDUCTORS NUMBER | 18 |
| RATED SECTION | 1 mm ² |

INSULATION

| | |
|----------|--|
| MATERIAL | PVC |
| COLOUR | Black conductors with numbers from 1 to 17 + Green/Yellow |

TAPING

| | |
|------------|------------------------------------|
| ON MAKE-UP | Between the two ring of conductors |
| MATERIAL | Non-woven tape |

TOTAL ASSEMBLY MAKE-UP

TE.CO. reserves the right to make some modifications to the products notwithstanding the basic technical characteristics. Unless otherwise stated, all indicated data are nominal. RAL colour is stated only as reference. TE.CO. Tecnologia Commerciale S.p.A. - Via Achille Grandi, 1 - 40013 Castel Maggiore (Bologna - Italia) - Tel +39 051 6047311 Web: www.tecoit.com - E-mail: sales@tecoit.com - Reg. Impr. Bologna e Codice Fiscale 03163100377 - P.IVA IT 01636081208. Subject to management and coordination activities handled by Pronos S.r.l.. All rights are reserved. The reproduction of any part of this document is not allowed without the written authorization of TE.CO. Tecnologia Commerciale S.p.A..

TOTAL TAPING

ON MAKE-UP Around the total assembly

MATERIAL Non-woven tape

TOTAL SHEATH

MATERIAL PVC

COLOUR Matte black RAL 9005

DIAMETER (MM) 12.5±0.35

MARKING

METRIC MARKING P/N 14087 TE.CO. E244280 - Fxx - cRUus - AWM STYLE 2464 80°C 300V VW-1 - AWM I/II A/B 80°C 300V FT1 - 18GAWG18 - O.R. FRX® 18G1 - 450/750V - IEC 60332-1-2 - year/week - CE meter indication

ELECTRICAL FEATURES

WORKING VOLTAGE 300 V

TEST VOLTAGE 2000 V

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 / +80°C

WORKING TEMPERATURE DYNAMIC INSTALLATION -5°C / +80°C

TRAVEL SPEED Up to 180 m/min

ACCELERATION/DECELERATION Up to 10 m/sec²

CABLE LENGTH INSIDE CHAIN Up to 10 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) |
| UL CSA APPROVALS | RU E244280 AWM STYLE 2464 80°C 300V CSA E244280 AWM I/II A/B 80°C 300V |
| FIRE BEHAVIOUR | VW-1(UL); FT1(CSA); IEC 60332-1-2(EU) |
| INDUSTRIAL OIL RESISTANCE | 1581(UL); IEC 60811-404(EU); CEI EN 50363-4-1(EU); IRM 902 |
| HALOGEN FREE | NO |
| UV RESISTANCE | UV RESISTANT |

CUSTOMS CODE

| | |
|-----------------------|----------|
| CUSTOMS-TARIFF NUMBER | 85444995 |
| MADE IN | IT |

REVISION

| | |
|--------|----------|
| DATE | 30032018 |
| NUMBER | 006 |

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