



TECHNICAL DATA SHEET

part number cable family

23394 O.R. FRX®

FORMATION: 5G10

5GAWG08

INSTALLATION TYPE: CABLE FOR DYNAMIC INSTALLATION ON DRAG CHAIN

CATEGORY: MULTI CORE

STANDARD/APPROVAL: CE/UL/CSA

SHIELDING: UNSHIELDED



GROUP // 5G10

CONDUCTOR

MATERIAL	Bare copper
CAPILLARY DIAMETER	- Extra-flexible (DIN VDE 0295, IEC 60228 or CEI 20-29)
CONDUCTORS NUMBER	5
RATED SECTION	10 mm ²

INTERNAL TAPING

ON MAKE-UP	Between conductor and insulation (optional)
MATERIAL	Transparent tape or Non-woven tape

INSULATION

MATERIAL	PVC
COLOUR	Black conductors with numbers from 1 to 4 + Green/Yellow

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 Araound the total assembly.

MATERIAL Non-woven tape

TOTAL SHEATH

MATERIAL PVC

COLOUR Matte black RAL 9005

DIAMETER (MM) 20±0.45

MARKING

METRIC MARKING P/N 23394 TE.CO. E244280 - Fxx - cRUus - AWM STYLE 2570 80°C 1000V VW-1 - AWM I/II A/B 80°C 1000V FT1 - 5GAWG08 - O.R. FRX® 5G10 - IEC 60332-1-2 - year/week - CE meter indication

ELECTRICAL FEATURES

WORKING VOLTAGE 1000 V

TEST VOLTAGE 4000 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 2570 80°C 1000V CSA E244280 AWM I/II A/B 80°C 1000V
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	85444999
MADE IN	IT

REVISION

DATE	30032018
NUMBER	003

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