

DYNAMIC APPLICATION



FRX[®]

POWER&CONTROL MULTICORE-ST 1000V

APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10M/SEC²
ACCELERATION**



**20M
CABLE LENGTH**



**180M/MIN
TRAVEL SPEED**

DESCRIPTION

UL/CSA certified flexible shielded cables designed for use in dynamic drag chains and automatic machinery applications, allowing for free movement without tensile stress or forced movements, in dry or moist environments. The PVC jacket provides excellent flexibility, while the Insulation Material has low capacitive buildup, ensuring high electrical performance with reduced dimensions. This makes them an ideal choice when space is limited or a minimal bending radius is required. They also offer good resistance to industrial cleaners and chemical agents, along with excellent workability. These features make this product line the ideal starting point for a range of TECO families designed for demanding mobile applications, particularly in the packaging sector.

APPROVALS



2014/35/CEE



2011/65/UE



1907/2006



AWM STYLE 2570 80°C
1000V
File E244280



AWM I/II A/B 80°C
1000V

TECHNICAL DATA



DYNAMIC
-5°C / +80°C
STATIC
-40°C / +80°C



NOMINAL VOLTAGE
1000V (UL/CSA AWM)



TEST VOLTAGE
4000 V

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC 60228) BARE COPPER
	INSULATION	PVC
	INSULATION COLOUR	BLACK CORES WITH PRINTED NUMBERS WITH [G] OR WITHOUT [X] GREEN-YELLOW
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85% ±5%
	SHEATH	PVC
	SHEATH COLOUR	MATTE BLACK, RAL: 9005

PRODUCTS FEATURES



FIRE PERFORMANCE
IEC 60332-1-2
EN 60332-1-2
VDE 0482-332-1-2
CABLE FLAME (UL)
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE
EN 50363-4-1 (TM5)
VDE 0207-363-4-1
IEC 60811-404
UL 1581



UV PERFORMANCE
EN 50289-4-17
ISO 4892-2
ASTM-D-2565-16



WATER PERFORMANCE
IEC 60811
UL 1581



HYDROCARBONS PERFORMANCE
UL 1581

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
25062	(12G2,5)ST (12GAWG14)ST	✓			17.5	490

TE.CO. reserves the right to make changes to any of the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RAL colour code is provided for illustrative purposes only.
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