

# WHAT'S

# NEW



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# TECO

# VFD CABLES

**2XSLCY K-JB**  
90°C 1000V  
UL/CSA

If used with a VFD, standard cables act like an antenna, producing electromagnetic radiation that causes interference.

This can be solved by using specific VFD SERVOMOTOR CABLES, which are designed to avoid this type of problem.



## CHARACTERISTICS

- SYMMETRIC DESIGN**  
A geometric configuration with 3 phases and 3 grounding conductors reduces current leakage, protecting motor bearings and windings.
- DOUBLE SCREENING**  
An aluminum/polyester tape coupled with a high-coverage tinned copper screening braid offers the best protection against electromagnetic interference.
- INSULATION**  
The cross-linked material used, XLPE, has a working temperature of up to 90°C/194°F, provides better resistance to chemical agents and, keeping the same cross-section, withstands higher currents and temperatures than the previous 9YSLCYK-JB product family.
- UV RESISTANCE**

## ADVANTAGES

- UL/CUL AWM CERTIFICATION**  
TECO's 2XSLCYK-JB VFD has UL/CUL AWM.
- DIAMETER**  
More compact than standard servo cables.
- LOW IMPEDENCE**
- LONGER CABLE**  
VFD allows longer motor cables to be used compared to equivalent PVC-insulated cables.
- FEWER SPIKES**  
VFD cables reduce motor voltage peaks (spikes).
- LONGER-LASTING MOTOR BEARINGS**  
Significant reduction of the "sprocket" effect, which protects motor bearings.

TECO RANGE	TYPE	JACKET	SHIELD	INSULATION	REFERENCE STANDARDS	WORKING VOLTAGE [V]
VFD 2XSLCY K-JB	SERVOMOTOR	PVC	Yes	XLPE		1000 Uo/U 600/1000

# TRAY CABLES

**ER – CIC/TC**  
**SHIELDED AND UNSHIELDED**  
UL/CSA NFPA 70/NFPA 79

One of the advantages of tray cables is their easy installation: they can be laid and secured easily in cable trays or raceways, reducing the need for additional support structures.

Tray cables also go through UL 1569 impact and crush tests and do not require the use of a conduit.

Tray cables comply with UL specifications (Type TC: UL1277 Power and Control Tray Cable).

- TECO offers two families of tray cables:
- with PVC insulation → more flexible
  - with PVC/NYLON insulation → smaller diameter
- Both comply with UL1277 Power and Control Tray Cable.



## CHARACTERISTICS

- "EXPOSED RUN" or "ER"**  
Usually, tray cables must be placed within cable trays.
- "DIRECT BURIAL" or "DIR BUR"**  
Suitable for applications that require direct burial in the earth.
- "SUNLIGHT RESISTANCE" or "SUN RES"**  
Suitable for applications where the cable will be directly exposed to solar radiation.
- WTTC: UL 2277 Wind Turbine Tray Cable**  
The Tray cables nylon version are designed to withstand applications subjected to wind turbines extreme conditions, including extreme temperatures, water resistance, flexibility, oil resistance, abrasion resistance and other harsh conditions.
- OIL RESISTANCE**  
Tray cables marked with "OIL RES I" have been designed to be suitable for exposure to oil up to 60°C/140°F.
- FLAME RETARDANT**  
According to UL 1581 section 1160 (UL Vertical-Tray Flame Test) | CSA FT4, FT1, FT2 | UL 1581 VW-1 / cable flame test | UL 1685 – FT4/IEEE 1202 vertical flame test | IEC 60332-1-2.
- SPECIAL PVC COMPOUND** in line with UL 12777
- UL AWM 90°C 1000V (Style 20886 for nylon version)**
- UL AWM 90°C 1000V (Style 21179 for PVC version)**
- UL TC-ER/MTV 600V**
- UL WTTC 1000V**
- EC/VDE 600/1000V**

## ADVANTAGES

- LOWER INSTALLATION AND MAINTENANCE COSTS**
- VERSATILE USAGE OPTIONS**  
In cable trays or raceways, both indoors and outdoors.
- FUNCTIONAL**  
Even when exposed from conduit to equipment.
- RESISTANCE**  
Sunlight, heat and moisture resistant.

TECO RANGE	TYPE	JACKET	SHIELD	INSULATION	REFERENCE STANDARDS	WORKING VOLTAGE [V]
TRAY CABLES ER – CIC/TC	POWER OR CONTROL MULTICORE	PVC		PVC		600 (Ⓢ) 1000 (Ⓢ)
TRAY CABLES-ST ER – CIC/TC	POWER OR CONTROL MULTICORE	PVC	Yes	PVC		600 (Ⓢ) 1000 (Ⓢ)
TRAY CABLES ER – CIC/TC	POWER OR CONTROL MULTICORE	PVC		PVC + NYLON		600 (Ⓢ) 1000 (Ⓢ)
TRAY CABLES-ST ER – CIC/TC	POWER OR CONTROL MULTICORE	PVC	Yes	PVC + NYLON		600 (Ⓢ) 1000 (Ⓢ)

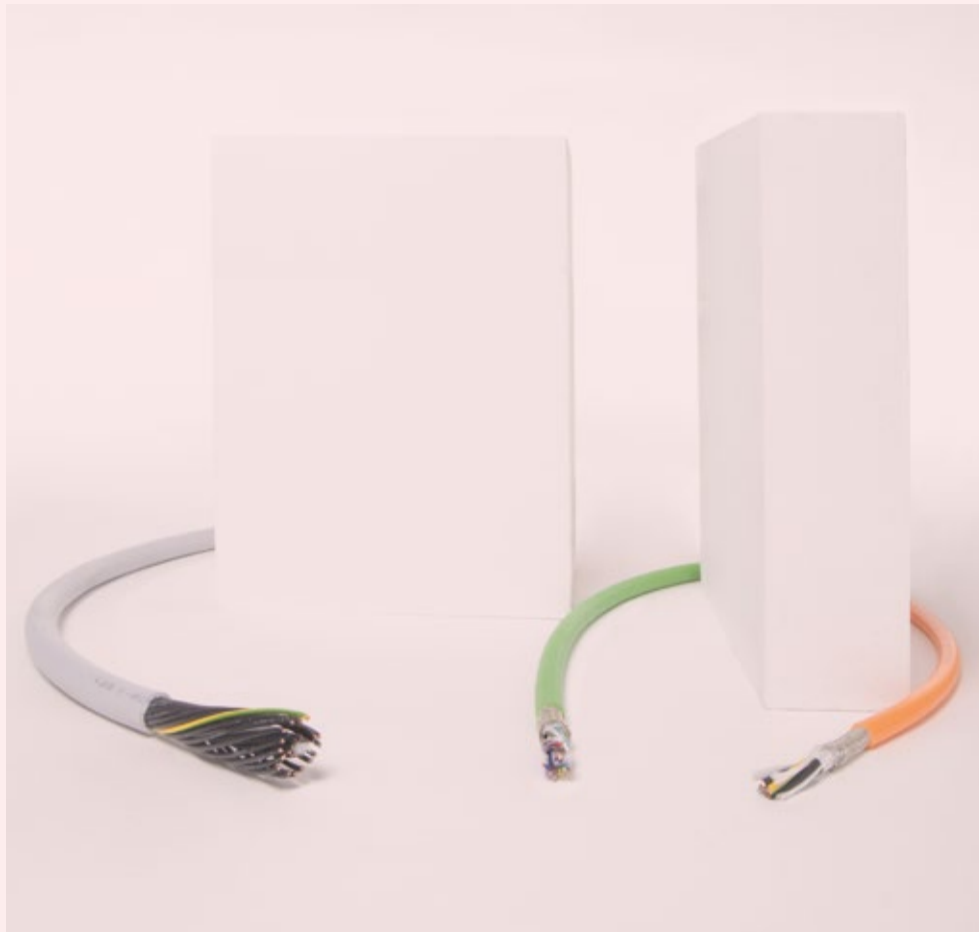


# PLUS CABLES

90°C 1000V  
UL/CSA

Our unipolar and multipolar power cables and control, servomotor, encoder, and signal transmission cables in the product families

O.R. PMXX®  
O.R. PMXX-ST®  
O.R. FRX®  
O.R. FRX-ST®  
are now PLUS.



## ADVANTAGES

- **STABLE OPERATING AT TEMPERATURES OF UP TO 90°C/194°F**  
Increased temperature resistance for improved performance.
- **UNIFORM 1000-VOLT OUTPUT VOLTAGE**  
For all multicore power and control cables.
- **COMPLIANT WITH THE MOST CURRENT INTERNATIONAL MARKET STANDARDS**  
For sheath coloring and insulation.
- **COMPATIBLE WITH EXISTING CONNECTORS**  
Minimal change to cable diameter.



TECO is a family-owned company that specializes in the design, consultancy and sale of Italian-made UL-compliant cables and components for industrial automation.



## MEET OUR EXPORT TEAM

We are available to respond to the specific needs of each client.

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