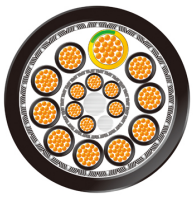
Robotic Hybrid Cable for Industrial Automation

This hybrid cable is designed for industrial and robotic systems, especially manipulators. It connects cables between high power servomotors and controllers, and can be used in harsh environments.

ADDITIONAL IMAGES



Overview

High-Performance Robotic Hybrid Cable

This advanced hybrid cable is engineered specifically for demanding industrial automation and robotic applications. Featuring ultra-fine stranded bare copper conductors and a durable PUR jacket, it offers exceptional flexibility and resistance to oil, abrasion, and hydrolysis. Designed for both power and signal transmission, this cable ensures reliable performance in dynamic, high-movement environments.

Technical Parameters

Temperature Range (Fixed)	-50°C to 80°C
Temperature Range (Occasional Movement)	-30°C to 80°C
Insulation Resistance (20°C)	100 MΩ×m
Minimum Bending Radius	5D (D=cable diameter)

Electrical Ratings

Rated Voltage

600 V	750 V
UL/CSA	DIN/VDE (Max)

Test Voltage (Core/Core)	4000 V/min
Test Voltage (Core/Shield)	3000 V/min

Cable Construction

Shielding

- 1.5mm² cores tinned copper braiding
- AL/Mylar foil
- Tinned copper overall shield

Conductor Material	Ultra-fine stranded bare copper (IEC 60228/VDE 0295 class 6)
Insulation Material	TPE
Jacket Material	PUR

Features & Compliance

Key Features

Halogen Free • Flame Resistant • EMI Resistant • Oil Resistant • Abrasion Resistant • Anti-Hydrolysis

Flame Resistance Standard	IEC 60332-1