

Cables for Industrial Automation



Soluzioni affidabili per l'automazione Industriale

Reliable solutions for industrial automation

Nel settore dell'automazione e della robotica, l'affidabilità dei componenti è essenziale per garantire continuità operativa e precisione dei processi. I cavi ICC assicurano trasmissione stabile dei segnali di controllo e prestazioni costanti anche nelle condizioni più impegnative.

La gamma comprende cavi per posa fissa e dinamica, progettati per installazioni in catene portacavo e ambienti industriali gravosi. Sono disponibili versioni con guaina in PVC antifiama resistente agli oli o in Poliuretano ad alta resistenza, ideale per applicazioni dinamiche ad alte velocità e accelerazioni.

I cavi possono essere schermati, per garantire massima protezione dai disturbi elettromagnetici, assicurando affidabilità e sicurezza in ogni applicazione.

In the field of industrial automation and robotics, component reliability is essential to ensure operational continuity and process precision. ICC cables guarantee stable transmission of control signals and consistent performance even under the most demanding conditions.

The range includes cables for fixed and flexible installation, designed for use in cable chains and harsh industrial environments. Versions are available with flame-retardant PVC sheaths resistant to oils, or with high-strength polyurethane sheaths, ideal for dynamic applications requiring high speeds and accelerations.

The cables can be shielded to ensure maximum protection against electromagnetic interference, providing reliability and safety in every application.

Cavi per Automazione Industriale

Industrial Automation Cables

- CONTROL CABLES
- SERVOMOTOR CABLES
- VFD INVERTER CABLES
- PROFINET DATA TRANSMISSION CABLES
- MEASURING SYSTEMS ENCODER/RESOLVER CABLES

- CONTROL CABLES
- SERVOMOTOR CABLES
- VFD INVERTER CABLES
- MEASURING SYSTEMS ENCODER/RESOLVER CABLES

- CONTROL CABLES FOR DYNAMIC USE (TYPES D AND H)
- SERVOMOTOR CABLES FOR DYNAMIC USE (TYPE D AND H)
- PROFINET DATA TRANSMISSION CABLES FOR DYNAMIC USE (TYPE H)

- SERVOMOTOR CABLES
- MEASURING SYSTEMS ENCODER/RESOLVER CABLES

- CONTROL CABLES
- PROFINET DATA TRANSMISSION CABLES



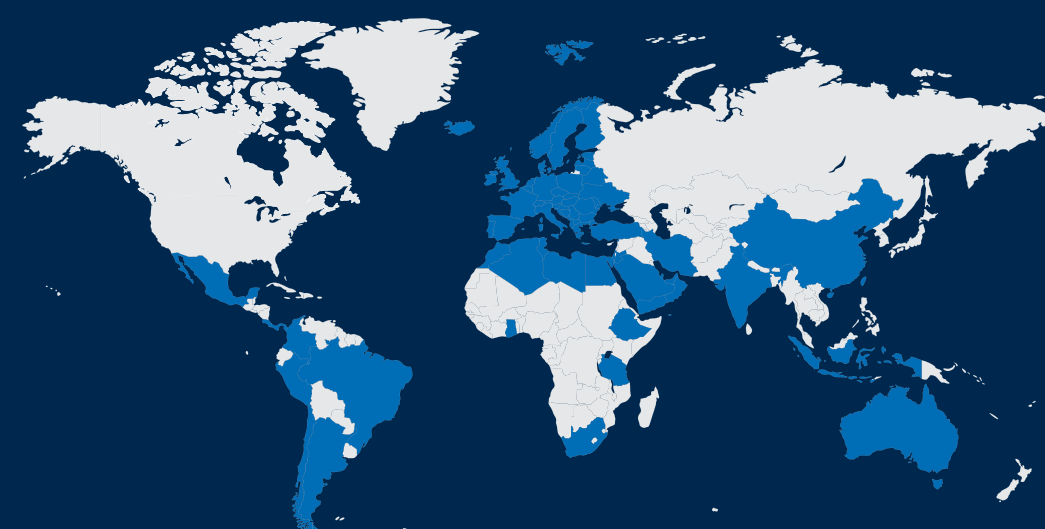
Scarica le schede tecniche complete.
Download full product datasheets.

DAL 1961, IL VALORE DELL'ESPERIENZA | SINCE 1961, THE VALUE OF EXPERIENCE



Leader nella produzione di cavi elettrici, connessioni speciali e sistemi di cablaggio per applicazioni industriali e speciali.

Leader in the manufacture of power cables, electric wires, special connections and wiring systems for industrial and special applications.



Stabilimenti
Plants

5

Persone
People

700

Nazioni servite
Countries served

75

Clienti attivi
Active customers

800+

Certificazioni | Certifications



ISO 9001

Quality Management Systems

ICC spa ECJ sa CMR srl

Ind. Cavel srl



ISO 14001

Environmental Management System

ICC spa



ISO 45001

Occupational Health And Safety Management Systems

ICC spa



IATF 16949

Quality Management Systems

ECJ sa



Wiring Harness

Certified Production Process

ECJ sa CMR srl

Cavi multipolari di alimentazione e controllo per installazioni a bordo-macchina, impiegati nel collegamento dei sistemi di azionamento con servomotore. Adatti per posa fissa (F) e dinamica (D-H).

Multicore power and control cables for on-machine installations, designed for connecting drive systems to servomotors. Suitable for fixed (F) and dynamic (D-H) applications.

SERVO 1000 F UL
AWM STYLE 10492/2570
PP/PVC 80°C 1000V



SERVO 1100 F UL
AWM STYLE 11657/21179
PP/PVC 90°C 1000V



SERVO 1000 D UL
AWM STYLE 10492/2570
PP/PVC 80°C 1000V



SERVO 1100 D UL
AWM STYLE 11657/21179
PP/PVC 90°C 1000V



SERVO 1000 H UL
AWM STYLE 10492/20234
PP/PUR 80°C 1000V



SERVO 1100 H UL
AWM STYLE 11657/21209
PP/PUR 90°C 1000V



ICC HT CAVI PER SEGNALE E TRASMISSIONE DATI
ICC HT SIGNAL AND DATA TRANSMISSION CABLES

Cavi controllo e segnale utilizzati nei sistemi di misura encoder e resolver; cavi di alimentazione per il collegamento di motori con inverter (VFD); cavi per sistemi di trasmissione dati tipo PROFINET.

Control and signal cables used in encoder and resolver measurement systems; power cables for connecting motors with inverters (VFD); cables for PROFINET data transmission systems.

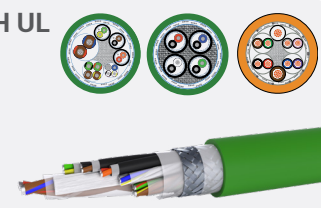
VFD 1000 F UL
AWM STYLE 10492/2570
PP/PVC 80°C 1000V



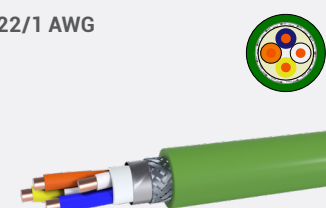
VFD 1000 F
PE/PVC 70°C 600/1000V



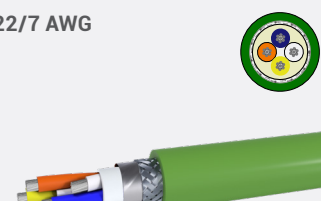
ENCODER RESOLVER 300 H UL
AWM STYLE 10493/20233
PP/PUR or TPE/PUR 80°C 300V



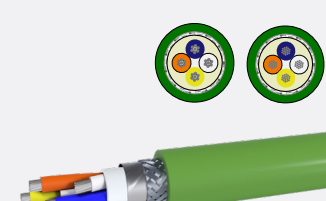
PROFINET F UL TYPE A 4X22/1 AWG
AWM STYLE 10493/2464
PP/PVC 80°C 300V



PROFINET F UL TYPE B 4X22/7 AWG
AWM STYLE 10493/2464
PP/PVC 80°C 300V



PROFINET H UL TYPE C 4X22/7 AWG or 4X22/19 AWG
AWM STYLE 10493/20233
PP/PUR 80°C 300V



Cavi multipolari di segnale per installazioni a bordo macchina, impiegati nel collegamento di pannelli, quadri di controllo e unità di comando, adatti per installazioni in posa fissa (F) e dinamica (D-H).

Multicore signal cables for on-machine installations, used for connecting panels, control cabinets and control units, suitable for fixed (F) and dynamic (D-H) installation.

CONTROL 500 F
CONTROL 500 F-SC
PVC/PVC 80°C 300/500V



CONTROL 750 F
CONTROL 750 F-SC
PVC/PVC 80°C 450/750V



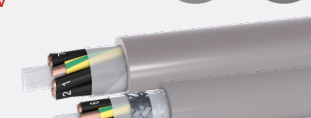
CONTROL 1000 F UL
CONTROL 1000 F-SC UL
AWM STYLE 10012/21179
PVC/PVC 90°C 1000V



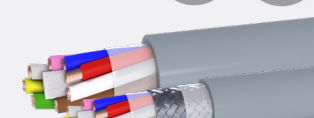
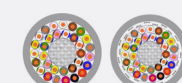
CONTROL 1100 F UL
CONTROL 1100 F-SC UL
AWM STYLE 11008/21179
PVC/PVC 90°C 1000V



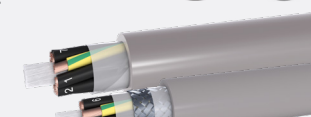
CONTROL 500 D
CONTROL 500 D-SC
PVC/PVC 80°C 300/500V



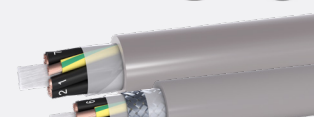
CONTROL 300 D UL
CONTROL 300 D-SC UL
AWM STYLE 10493/2464
PP/PVC 80°C 300V



CONTROL 1200 H UL
CONTROL 1200 H-SC UL
AWM STYLE 10492/20234
PP/PUR 80°C 1000V



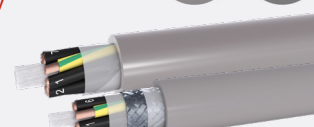
CONTROL 1300 H UL
CONTROL 1300 H-SC UL
AWM STYLE 11657/21209
PP/PUR 90°C 1000V



CONTROL 300 H UL
CONTROL 300 H-SC UL
CONTROL 300 H-SC-P UL
AWM STYLE 10493/20233
PP/PUR 80°C 300V



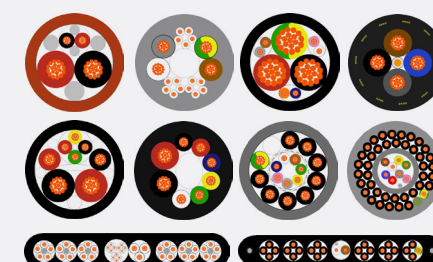
CONTROL 500 H
CONTROL 500 H-SC
TPE/PUR 80°C 300/500V



COSTRUIAMO IL TUO CAVO
WE BUILD YOUR OWN CABLE

Progetti realizzati su misura, secondo richieste specifiche del cliente. Il prodotto HIGH TECH CUSTOM è la soluzione ideale per soddisfare le più elevate esigenze prestazionali e costruttive.

Dedicated and tailor-made solutions, designed according to customer's requests and technical specifications. The HIGH TECH CUSTOM product is the ideal choice to meet the highest performance and construction requirements.



GLOSSARIO HIGH TECH
HIGH TECH GLOSSARY

- F** Uso in posa fissa
Fixed installation
- D** Uso dinamico
Dynamic installation
- H** Uso dinamico ad alte prestazioni
High performance dynamic installation
- SC** Schermato
Screened
- P** Coppie
Pairs

CABLE TYPE	UL STYLE	TEMPERATURE RATING FIXED INSTALLATION	TEMPERATURE RATING DYNAMIC INSTALLATION	VOLTAGE RATING	INSULATION MATERIAL	SHEATH MATERIAL	INDIVIDUAL SCREEN	OVERALL SCREEN	FIXED INSTALLATION	DYNAMIC INSTALLATION	HARSH CONDITIONS DYNAMIC INSTALLATION	MAX. ACCELERATION	MAX. SPEED	MIN. NUMBER OF CYCLES	FLAME RETARDANT	HALOGEN FREE	OIL RESISTANT	UV RESISTANT
CONTROL 500 F	N*	-40°C/+80°C	N/A	300/500 V	PVC	PVC	N	N	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 500 F-SC	N*	-40°C/+80°C	N/A	300/500 V	PVC	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 750 F	N*	-40°C/+80°C	N/A	450/750 V	PVC	PVC	N	N	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 750 F-SC	N*	-40°C/+80°C	N/A	450/750 V	PVC	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 1000 F UL	10012/21179	-40°C/+90°C	N/A	1000 V	PVC	PVC	N	N	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 1000 F-SC UL	10012/21179	-40°C/+90°C	N/A	1000 V	PVC	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 1100 F UL	11008/21179	-40°C/+90°C	N/A	1000 V	PVC	PVC	N	N	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 1100 F-SC UL	11008/21179	-40°C/+90°C	N/A	1000 V	PVC	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
CONTROL 500 D	N*	-40°C/+80°C	0°C/+70°C	300/500 V	PVC	PVC	N	N	Y	Y	N	10 m/s²	180 m/min	3 Mio	Y	N	Y	N
CONTROL 500 D-SC	N*	-40°C/+80°C	0°C/+70°C	300/500 V	PVC	PVC	N	Y	Y	Y	N	10 m/s²	180 m/min	3 Mio	Y	N	Y	N
CONTROL 300 D UL	10493/2464	-40°C/+80°C	-25°C/+80°C	300 V	PP	PVC	N	N	Y	Y	N	10 m/s²	220 m/min	3 Mio	Y	N	Y	N
CONTROL 300 D-SC UL	10493/2464	-40°C/+80°C	-25°C/+80°C	300 V	PP	PVC	N	Y	Y	Y	N	10 m/s²	220 m/min	3 Mio	Y	N	Y	N
CONTROL 1200 H UL	10492/20234	-40°C/+80°C	-30°C/+80°C	1000 V	PP	PUR	N	N	Y	Y	Y	25 m/s²	300 m/min	5 Mio	Y	Y	Y	N
CONTROL 1200 H-SC UL	10492/20234	-40°C/+80°C	-30°C/+80°C	1000 V	PP	PUR	N	Y	Y	Y	Y	25 m/s²	300 m/min	5 Mio	Y	Y	Y	N
CONTROL 1300 H UL	11657/21209	-40°C/+90°C	-30°C/+90°C	1000 V	PP	PUR	N	N	Y	Y	Y	25 m/s²	300 m/min	5 Mio	Y	Y	Y	N
CONTROL 1300 H-SC UL	11657/21209	-40°C/+90°C	-30°C/+90°C	1000 V	PP	PUR	N	Y	Y	Y	Y	25 m/s²	300 m/min	5 Mio	Y	Y	Y	N
CONTROL 300 H UL	10493/20233	-50°C/+80°C	-40°C/+80°C	300 V	PP	PUR	N	N	Y	Y	Y	25 m/s²	300 m/min	3 Mio	Y	Y	Y	N
CONTROL 300 H-SC UL	10493/20233	-50°C/+80°C	-40°C/+80°C	300 V	PP	PUR	N	Y	Y	Y	Y	25 m/s²	300 m/min	3 Mio	Y	Y	Y	N
CONTROL 300 H-SC-P UL	10493/20233	-50°C/+80°C	-40°C/+80°C	300 V	PP	PUR	N	Y	Y	Y	Y	25 m/s²	300 m/min	3 Mio	Y	Y	Y	Y
CONTROL 500 H	N*	-50°C/+80°C	-40°C/+80°C	300/500 V	TPE	PUR	N	N	Y	Y	Y	25 m/s²	300 m/min	3 Mio	Y	Y	Y	N
CONTROL 500 H-SC	N*	-50°C/+80°C	-40°C/+80°C	300/500 V	TPE	PUR	N	Y	Y	Y	Y	25 m/s²	300 m/min	3 Mio	Y	Y	Y	N
SERVO 1000 F UL	10492/2570	-15°C/+80°C	N/A	1000 V	PP	PVC	Y	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
SERVO 1100 F UL	11657/21179	-30°C/+90°C	N/A	1000 V	PP	PVC	Y	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
SERVO 1000 D UL	10492/2570	-15°C/+80°C	-40°C/+70°C	1000 V	PP	PVC	Y	Y	Y	Y	N	15 m/s²	180 m/min	5 Mio	Y	N	Y	N
SERVO 1100 D UL	11657/21179	-30°C/+90°C	-15°C/+70°C	1000 V	PP	PVC	Y	Y	Y	Y	N	15 m/s²	180 m/min	5 Mio	Y	N	Y	N
SERVO 1000 H UL	10492/20234	-40°C/+80°C	-50°C/+80°C	1000 V	PP	PUR	Y	Y	Y	Y	Y	50 m/s²	300 m/min	10 Mio	Y	Y	Y	N
SERVO 1100 H UL	11657/21209	-50°C/+90°C	-40°C/+90°C	1000 V	PP	PUR	Y	Y	Y	Y	Y	50 m/s²	300 m/min	10 Mio	Y	Y	Y	N
VFD 1000 F UL	10492/2570	-15°C/+70°C	N/A	1000 V	PP	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	Y
VFD 1000 F	N*	-40°C/+70°C	N/A	600/1000 V	PE	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	Y
ENCODER/RESOLVER 300 H UL	10493/20233	-50°C/+80°C	-40°C/+80°C	300 V	PP/TPE	PUR	Y	Y	Y	Y	Y	50 m/s²	300 m/min	5 Mio	Y	Y	Y	N
PROFINET F UL TYPE A	10493/2464	-30°C/+80°C	N/A	300 V	PP	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
PROFINET F UL TYPE B	10493/2464	-30°C/+80°C	N/A	300 V	PP	PVC	N	Y	Y	N	N	N/A	N/A	N/A	Y	N	Y	N
PROFINET H UL TYPE C	10493/20233	-40°C/+80°C	-30°C/+80°C	300 V	PP	PUR	N	Y	Y	Y	Y	15 m/s²	300 m/min	3 Mio	Y	Y	Y	N

* Se necessaria versione UL, possiamo valutare la realizzazione con gli style ICC disponibili per specifici materiali.
If a UL version is required, we can evaluate feasibility using ICC style available for specific materials.

The Next Wiring Way



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