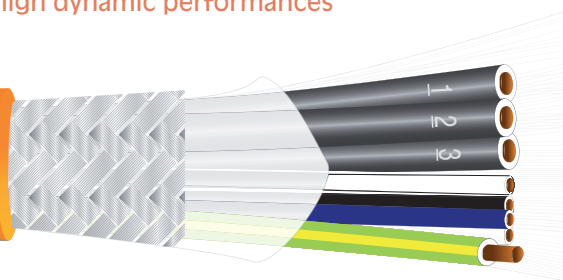


UNIDRALL® 5030

Cavi ibridi per l'alimentazione dei servomotori ad alte prestazioni dinamiche
Hybrid power transmission cables for servomotors with high dynamic performances

UNIKA (Italy) - UNIDRALL 5030 cRUUS AWM style 21209 90°C 1000V FT1 CE



	Dati tecnici	Technical data
Conduttore Conductor	Rame rosso secondo CEI EN 60228 classe 6	Bare copper complying with CEI EN 60228 class 6
Isolamento ed identificazione anime di potenza Insulation and power core identification	TPO	TPO
Schermatura Shielding	Treccia di fili di rame stagnato. Copertura maggiore dell'85% (dove prevista)	Tinned copper wire braid. Coverage above 85% (where provided)
Guaina Jacket	PUR secondo UL 1581 and C22.2 n°210.	PUR according to UL1581 and C22.2 n°210.
Tensione di lavoro Operating voltage	1000 V	1000 V
Resistenza di isolamento Insulation resistance	> 20 MΩ·km	> 20 MΩ·km
Temperatura di lavoro Operating temperature	Posa fissa -50 ÷ 90 °C Posa dinamica in catena -30 ÷ 90 °C	Fixed application -50 ÷ 90 °C Dynamic application into chain -30 ÷ 90 °C
Velocità [m/min] Speed [m/min]	Vedere tabella	See table
Accelerazione/decelerazione [m/s²] Acceleration/deceleration [m/s²]	Vedere tabella	See table
Raggio minimo di curvatura Minimum bending radius	Posa fissa 5 x diametro esterno Posa dinamica in catena vedere tabella	Fixed application 5 x outer diameter Dynamic application into chain vedere tabella
Comportamento al fuoco Fire behaviour	Prova di non propagazione fiamma UL 758 e prova FT1 CSA C.22.2 n° 210	Cable flame test per UL 758 and FT1 test per CSA C.22.2 n° 210
Emissione gas alogenidrici Halogen gas emission	≤ 0,5% IEC EN 60754	≤ 0,5% IEC EN 60754
Resistenza al fango Mud resistance	IEC 60092-360 annex C NEK TS 606:2016	IEC 60092-360 annex C NEK TS 606:2016
Resistenza agli oli industriali Industrial oil resistance	EN 50363-10-2	EN 50363-10-2
Resistenza ai raggi UV UV resistance	Resistente ai raggi UV secondo UL758 sec.17	UV resistant according to UL758 sec.17
Assorbimento d'acqua Water absorption	EN 50363-10-2	EN 50363-10-2

Nel settore dell'automazione industriale è sempre più diffuso e richiesto l'utilizzo di un cavo realizzato in modo da comprendere i conduttori di potenza, il cavo di segnale ed cavo bus.

La realizzazione di un cavo ibrido consente la riduzione dei costi di installazione, e consente all'utilizzatore una riduzione degli articoli gestiti facilitando la gestione delle scorte.

Unika è in costante contatto con le maggiori aziende per lo sviluppo di nuove tecnologie che possano supportare l'evoluzione dell'automazione industriale. Cavi adatti anche per uso esterno

Approvato UL/CSA:
90°C 1000V style 21209.

In the field of industrial automation, the use of a cable that combines power conductors, signal cables, and bus cables is becoming increasingly popular and in demand.

The implementation of a hybrid cable allows for cost reduction in installation and simplifies inventory management by reducing the number of items handled.

Unika is in constant contact with major companies to develop new technologies that can support the evolution of industrial automation. These cables are also suitable for outdoor use.

UL/CSA Approved:
90°C 1000V style 21209.

codice code	n° anime x sezione cores x cross section	sistema system	dia- metro ester- no outer dia- meter [mm]	massa Cu mass [Kg/ km]	massa cavo ca- bles mass [Kg/ km]	scher- mo totale ove- rall scre- en	identificazione anime cores identification	colore guaina sheath colour	raggio di curva- tura (posa dinami- ca) bending radius (dynamic installa- tion)	velocità massi- ma Max Speed [m/ min]	Accele- razione massima Max acce- leration [m/s2]
BOSCH SYSTEM											
HB001T	5G2,5 + 1x5x0,35 + Profinet (4xAWG22)	BOSCH system	14,4	260	340	Yes	5G2,5: red, blackm white, green, G/Y 1x5x0,35: grey, violet, blu, brown Profinet (4xAWG22): white, orange, blue, yellow	Arancio / Orange RAL 2003	8xD	180	7
ELAU SYSTEM											
HB002T	5G2,5 + 2x(2x0,25) + (2x0,25)	ELAU system	14	186	316	No	5G2,5 : red, blue, black numbered DC-, black numbered DC+, G/Y 2x(2x0,25): white-brown, green-yellow (2x0,25): grey, pink	Verde / Green RAL 6018	10xD	200	10
SICK HYPERFACE DSL											
HB003T	[4G0,5+(2x0,34)+ (2xAWG26)]	SICK Hiper-face DSL	10,3	76	127	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB004T	[4G0,75+(2x0,50)+ (2xAWG24)]	SICK Hiper-face DSL	11,5	88	142	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB005T	[4G1+(2x0,75)+ (2xAWG22)]	SICK Hiper-face DSL	12,8	130	212	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB006T	[4G1,5+(2x0,75)+ (2xAWG22)]	SICK Hiper-face DSL	13,1	160	270	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB007T	[4G2,5+(2x1)+ (2xAWG22)]	SICK Hiper-face DSL	14,8	205	310	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB008T	[4G4+(2x1)+ (2xAWG22)]	SICK Hiper-face DSL	16,2	280	420	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB017T	[4G6+(2x1)+ (2xAWG22)]	SICK Hiper-face DSL	18,2	418	595	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB018T	[4G10+(2x1,5)+ (2xAWG22)]	SICK Hiper-face DSL	21,3	634	856	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
HB019T	[4G16+(2x1,5)+ (2xAWG22)]	SICK Hiper-face DSL	24	868	1113	Yes	4 power cores: black numbered+G/Y 2 brake cores: white-black DSL pair: white-blue DSL jacket: black	Arancio / Orange RAL 2003	7,5xD	250	30
ENDAT 2.2 B&R											
HB009T	[4G1,5 + (2x0,75) + (2x2xAWG28+2xAWG24)]	EnDat 2.2 B&R	13,6	171	284	Yes	4 Power cores : blue (U), brown (V), black (W), G/Y 2 brake cores : white/blue, white/green Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Arancio / Orange RAL 2003	10xD	300	50
HB010T	[4G2,5 + (2x1) + (2x2xAWG28+2xAWG24)]	EnDat 2.2 B&R	14,7	228	352	Yes	4 Power cores : blue (U), brown (V), black (W), G/Y 2 brake cores : white/blue, white/green Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Arancio / Orange RAL 2003	10xD	300	50
HB011T	[4G4 + (2x1) + (2x2xAWG28+2xAWG24)]	EnDat 2.2 B&R	16	308	441	Yes	4 Power cores : blue (U), brown (V), black (W), G/Y 2 brake cores : white/blue, white/green Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Arancio / Orange RAL 2003	10xD	300	50
ENDAT 2.2 HEIDENHAIN HMC 6											
HB012T	(3x1,5) + 1G1,5 + 1x2x1 + (2x2xAWG28+2xAWG24)	EnDat 2.2 Heiden-hain HMC 6	13,6	130	246	No	3 Power cores: blue (U), brown (V), black (W) + G/Y; 2 brake cores : white, white/black Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Nero / Black RAL 9005	7xD	300	50
HB013T	(3x2,5) + 1G2,5 + 1x2x1 + (2x2xAWG28+2xAWG24)	EnDat 2.2 Heiden-hain HMC 6	15,6	193	332	No	3 Power cores: blue (U), brown (V), black (W) + G/Y; 2 brake cores : white, white/black Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Nero / Black RAL 9005	7xD	300	50
HB014T	(3x4) + 1G4 + 1x2x1 + (2x2xAWG28+2xAWG24)	EnDat 2.2 Heiden-hain HMC 6	16,6	266	415	No	3 Power cores: blue (U), brown (V), black (W) + G/Y; 2 brake cores : white, white/black Encoder EnDat cores : violet-yellow, grey-pink, brown/green, white/green	Nero / Black RAL 9005	7xD	300	50
SCHNEIDER ILM62 SYSTEM											
HB015T	5G1 + (1x0,34) + 2xProfinet (4xAWG22)	Schneider ILM62 system	13,5	138	256	No	5 Power cores : red, black, grey, green, G/Y 1x0,34 : white Profinet (4xAWG22) : white, orange, blue, yellow	Verde / Green RAL 6018	10xD	240	4
HB016T	5G2,5 + (1x0,34) + 2xProfinet (4xAWG22)	Schneider ILM62 system	14,8	223	368	No	5 Power cores : red, black, grey, green, G/Y 1x0,34 : white Profinet (4xAWG22) : white, orange, blue, yellow	Verde / Green RAL 6018	10xD	240	4