

Industrial Ethernet / Industrial Communications Cable

INDUSTRIAL

	Conductor	Insulation	Approvals	Shielded or Unshielded	Static or Flexible	Category	Part Number	Qty. of Pairs
22 AWG	SBC	FEP	(UL) CMP 300V 221°F (105°C)	Unshielded	Static	5e	30310-8 Power+™	4
	7/30 TC	PFA/PP	(UL) CMR, CMX CMG 167°F (75°C) (UL) PLTC - ER (UL) AWM 2570 600V 176°F (80°C)	Aluminum/Polyester + 24 AWG (7/32) Tinned Copper Drain wire	Low Flexibility	5e	41219-8	4
	STC	PE/PP	(UL) CMR-CMX-CMG 167°F (75°C), (UL) PLTC - ER, (UL) AWM 2570 600V 176°F (80°C)	Aluminum/Polyester + 24 AWG (7/32) Tinned Copper Drain wire	Static	5e	41493-8	4
	SBC	FEP	(UL) CMP 300V 167°F (75°C)	Aluminum/Polyester (each pair) + 36 AWG 65% Tinned Copper Braid	Static	7	41684-8	4
	7/30 TC	FOAMED PE/PP	(UL) CMR, CMX CMG 167°F (75°C) (UL) PLTC (UL) AWM 2570 600V 176°F (80°C)	Aluminum/Polyester + 24 AWG (7/32) Tinned Copper Drain wire	Low Flexibility	5e	41796-8	4
23 AWG	SBC	PE	(UL) CMP 300V 167°F (75°C) (UL) Verified TIA-568-2.D	Aluminum/Polyester + 24 AWG (7/32) Tinned Copper Drain wire	Static	6	30277-8 Drybit®	4
	SBC	PE	(UL) CMP 300V 167°F (75°C) (UL) Verified TIA-568-2.D	Unshielded	Static	6	30315-8 Drybit®	4
	SBC	PE	(UL) CMP 300V 167°F (75°C) (UL) Verified TIA-568-2.D	Aluminum/Polyester + 24 AWG (7/32) Tinned Copper Drain wire	Static	6A	30322-8 Drybit®	4
	SBC	PE	(UL) CMP 300V 167°F (75°C) (UL) Verified TIA-568-2.D	Unshielded	Static	6A	30323-8 Drybit®	4
	SBC	PE	none	Unshielded	Static	6	30180-8	4
	SBC	PE	none	Unshielded	Static	6	30273-8	4
	SBC	PE	(UL) CMR, CMG 167°F (75°C) (UL) AWM 2570 600V 176°F (80°C)	Unshielded	Static	62	41239-8	4
24 AWG	SBC	PE	(UL) CMR, CMG 167°F (75°C) (UL) AWM 2570 600V 176°F (80°C)	Aluminum/Polyester + 24 AWG Solid Tinned Copper Drain wire	Static	5e ²	41222-8	4
	SBC	PE	none	Unshielded	Static	5e	30200-8	4
	SBC	PE	none	Unshielded	Static	5e	30145-8	4
	19/36 BC	PE	(UL) AWM 20233 300V 176°F (80°C)	Unshielded	High Flexibility	5e ¹	41249-8	4
	19/36 BC	PE	(UL) AWM 20233 300V 176°F (80°C)	38 AWG 92% Tinned Copper Braid	High Flexibility	5e ¹	41494-8	4
	19/36 TC	PE	(UL) CM Pending	Unshielded	High Flexibility	6	41740-8	4
	19/36 TC	FOAMED PE	(UL) CM Pending	Aluminum/Polyester + 38 AWG 90% Tinned Copper Braid	High Flexibility	6	41741-8	4
	19/36 TC	FFEP	EN50264-1 EM102	FS Pairs + Overall Aluminum/Polyester + 85% TC Braid	Static	7	41765-8	4
	SBC	PE	(UL) CMX OUTDOOR-CMR	Aluminum/Polyester + 24 AWG 7/32 TC Drain Wire	Static	5e	42012-8	4
7/32 SPC	FEP	FAR 25.869(a) / FAR 25.1713(c)	Aluminum/Polyester + 92% SPC Braid	Low Flexibility	6	40627-8	4 ³	
26 AWG	19/38 TC	FEP	(UL) AWM 20276	38 AWG Tinned Copper Counter-Spiral shield	High Flexibility C-track (ChannelfLEX®)	5e ¹	41231-8	4
	19/38 TC	PE	(UL) AWM 20233 300V 80°C	38 AWG 90% Tinned Copper Braid	High Flexibility C-track + torsion	5e ¹	41495-8	4
	19/38 SPC	FEP	FAR 25.869(a) / FAR 25.1713(c)	Aluminum/Polyester	Static	6	41332-8	4
	7/32 TC	FEP	UL1685(NFPA 130) / IEEET202 Flame: IEC 60332-3-25	Aluminum/Polyester Drain wire + 90% TC Braid	Static	5e	41673-4	4
	7/34 BC	FOAMED PO	(UL) AWM 20622 300V 140°F (60°C)	Aluminum/Polyester (each pair) + 38 AWG 65% Tinned Copper Braid	Static	7	41562-8	4
	7/34 BC	FOAMED PO	(UL) AWM 20276 30V 176°F (80°C)	Aluminum/Polyester (each pair) + 38 AWG 65% Tinned Copper Braid	Static	7	41561-8	4
CAN bus	7/26 TC	FFEP	Passed UL1685(NFPA130) / REF: SAE J1939/11	Aluminum/Polyester Drain wire + 85% TC Braid	Static	No Category Level- CAN bus	41631-2	1
	7/26 TC	FFEP	Passed UL1685(NFPA130) / REF: SAE J1939/11	Aluminum/Polyester Drain wire + 85% TC Braid	Static	No Category Level- CAN bus	41631-3	1.5
	19/32 TC	FEP/ FOAMED FEP 2-layers**	UL1685(NFPA 130) Flame: IEC 60332-3-25	Aluminum/Polyester Drain wire + 85% TC Braid	Static	No Category Level- CAN bus	41473-2	1

¹ Indicates that these cables exceed TIA Category 5e requirements for all performance parameters except attenuation.

² These cables are also available in 1000V

³ Also for use in multimedia and audio visual applications due to extruded stripes.

**2 stage insulation; foam over the top of solid, for termination foam must be removed

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Protocols / Applications	Trans. Performance (Mhz Range or Impedance)	Jacket Material Cable O.D. Inches (mm) Jacket Color & LSZH Status	Operation Temperature / Installation Temperature °F (°C)	Weight Per 1,000 ft. Pounds (Kilograms)	Environments
Ethernet / IP, Gigabit Ethernet, 10Base-T, Hi Power PoE	1-400 Mhz	PVC 0.225 (5.71)	-4 (-20) to +221 (105) / 32 (0) to +140 (60)	31.52 lbs (14.29 kg)	Indoor Only
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-250 Mhz	PVC 0.340 (8.64) Teal	-40 (-40) to +167 (75) / -13 (-25) to +167 (75)	78 lbs (34.4 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments, CAN bus	1-100 MHz	PVC 0.330 (8.38) Black	-22 (30) to +167 (75) / -4 (-20) to +140 (60)	68 lbs (30.8 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10GBase-T, PoE, HDBaseT3	1-600 MHz	PVC 0.335 (7.47) Black	-4 (-20) to +167 (75) / 32 (0) to +140 (60)	53.64 lbs (24.33 kg)	Indoor Only
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-250 Mhz	PVC 0.340 (8.64) Teal	-40 (-40) to +167 (75) / -13 (-25) to +167 (75)	78 lbs (34.4 kg)	S, O
Ethernet / IP, Gigabit Ethernet, PoE	1-250 Mhz	PE 0.310 (7.87) Black	-40 (-40) to +158 (70) / 32 (0) to +140 (60)	56 lbs (25.4 kg)	Indoor Plenum, S, O, H, C
Ethernet / IP, Gigabit Ethernet, 100Base-T, 1000Base-T, PoE	1-250 Mhz	PE 0.310 (7.87) Black	-40 (-40) to +158 (90) / 32 (0) to +140 (60)	54.7 lbs (24.8 kg)	Indoor Plenum, S, O, H, C
Ethernet / IP, Gigabit Ethernet, 10 Gigabit Ethernet, PoE	1-500 Mhz	PE 0.310 (7.87) Black	-40 (-40) to +158 (90) / 32 (0) to +140 (60)	56 lbs (25.4 kg)	Indoor Plenum, S, O, H, C
Ethernet / IP, Gigabit Ethernet, 10 Gigabit Ethernet, PoE	1-500 Mhz	PE 0.310 (7.87) Black	-40 (-40) to +158 (70) / 32 (0) to +140 (60)	54.7 lbs (24.8 kg)	Indoor Plenum, S, O, H, C
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-250 Mhz	PE 0.270 (6.86) Black LSZH	-58 (-50) to +167 (75) / -40 (-40) to +167 (75)	34 lbs (15.4 kg)	S, O, Direct Bury, H
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-250 Mhz	FRPO 0.260 (6.60) Black LSZH	14 (-10) to +176 (80) / 32 (0) to +176 (80)	31 lbs (14.1 kg)	S, H
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-250 Mhz	PVC 0.265 (6.73) Black/Teal	-40 (-40) to +167 (75) / -40 (-40) to +167 (75)	35 lbs (15.9 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	PVC 0.265 (6.73) Black	-40 (-40) to +167 (75) / -13 (-25) to +167 (75)	32 lbs (14.5 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-100 Mhz	FRPO 0.216 (5.49) Blue LSZH	14 (-10) to +176 (80) / 32 (0) to +176 (80)	23 lbs (10.5 kg)	S, H
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-100 Mhz	PE 0.230 (5.84) Black LSZH	-58 (-50) to +167 (75) / -40 (-40) to +167 (75)	23 lbs (10.5 kg)	S, O, Direct Bury, H
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-100 Mhz	TPE Belt, TPU Jacket 0.300 (7.62) Black LSZH	-13 (-25) to +167 (80) / 5 (-15) to +167 (80)	44 lbs (20 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	TPE Belt, TPU Jacket 0.340 (8.64) Black LSZH	-13 (-25) to +167 (80) / 5 (-15) to +167 (80)	67 lbs (30.3 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-250 Mhz	TPE Jacket 0.265 in. (6.73) Teal LSZH	-13 (-25) to +167 (80) / 5 (-15) to +167 (80)	31.4 lbs (14.28 kg)	O
Ethernet / IP, Gigabit Ethernet, 10Base-T	1-250 Mhz	PVC Jacket 0.320 (8.13) Teal	-13 (-25) to +167 (80) / 5 (-15) to +167 (80)	52.4 lbs (23.82 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	XL LSZH 0.330 (8.38) Black LSZH	-4 (-20) to +221 (105) / 14 (-10) to +167 (80)	65.5 lbs (29.78 kg)	S, O, C
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1 -1000 MHz	PVC 0.265 (6.73) Teal	-40 (-40) to +167 (75) / -13 (-25) to +167 (75)	34 lbs. (15.42 kg)	S, O, C
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	FEP 0.265 (6.73) Blue	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	48 lbs (21.8 kg)	S, O, C
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	PVC 0.240 (6.10) White	-40 (-40) to +75 (167) / -25 (-13) to +75 (167)	38 lbs (17.2 kg)	-
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	TPE Belt, TPU Jacket 0.300 (7.62) Black LSZH	-13 (-25) to +167 (80) / 5 (-15) to +167 (80)	44 lbs (20 kg)	S, O
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	FEP 0.210 (5.33) Gray	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	35 lbs (15.8 kg)	S, O, C
Ethernet / IP, Gigabit Ethernet, 10Base-T, Noisy environments	1-100 Mhz	ETFE 0.216 (5.49) Black	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	36.5 lbs (16.56 kg)	S, O, C
Ethernet / IP, Gigabit Ethernet, 10GBase-T, HDBaseT3	1-600 MHz	TPU Jacket 0.232 (5.89) Black LSZH	-4 (-20) to +167 (75) / 32 (0) to +140 (60)	27.25 lbs (12.38 kg)	Indoor Only, H
Ethernet / IP, Gigabit Ethernet, 10GBase-T, HDBaseT3	1-600 MHz	PVC Jacket 0.232 (5.89) Black	-4 (-20) to +167 (75) / 32 (0) to +140 (60)	28.85 lbs (13.11 kg)	Indoor Only
CAN bus	120 ohms	ETFE 0.360 (9.14) Black	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	82.6 lbs (37.55 kg)	S, O, C, N
CAN bus	120 ohms	ETFE 0.381 (9.68) Black	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	104.5 lbs (47.5 kg)	S, O, C, N
CAN bus	120 ohms	ETFE .300 (7.62) Black	-67 (-55) to +392 (200) / -40 (-40) to +302 (150)	62 lbs (28.1 kg)	S, O, C, N

S: Sun
O: Oil
C: Chemical
H: High Temperature
N: NFPA130 2010 Compliant