

**Cable Specifications**

<b>MINI (7/8", 1" and 1 1/8") CABLE SPECIFICATIONS</b>											
<b>Cable NO.</b>	<b>Color Code</b>	<b>Wires</b>	<b>Gauge</b>	<b>Stranding</b>	<b>Material</b>	<b>Voltage Rating</b>	<b>Jacket Color</b>	<b>Outside Diameter</b>	<b>Temperature Rating</b>	<b>UL</b>	<b>CSA</b>
678	U.S.	2	16 AWG	Copper Stranding	PVC	600 V	Yellow	.375"	-40°C to +105°C	STOW	STO
696	U.S.	6	16 AWG	Copper Stranding	PVC	600 V	Yellow	.560"	-40°C to +105°C	STOW	STO
622	U.S.	7	16 AWG	Copper Stranding	PVC	600 V	Yellow	.560"	-40°C to +105°C	STOW	STO
698	U.S.	8	16 AWG	Copper Stranding	PVC	600 V	Yellow	.585"	-40°C to +105°C	STOW	STO
623	U.S.	9	16 AWG	Copper Stranding	PVC	600 V	Yellow	.660"	-40°C to +105°C	STOW	STO
699	U.S.	10	16 AWG	Copper Stranding	PVC	600 V	Yellow	.660"	-40°C to +105°C	STOW	STO
738	U.S.	3	16 AWG	Copper Stranding	TPE	600 V	Yellow	.390"	-50°C to +90°C	SEOOW	STOOW
739	U.S.	4	16 AWG	Copper Stranding	TPE	600 V	Yellow	.415"	-50°C to +90°C	SEOOW	STOOW
777	U.S.	5	16 AWG	Copper Stranding	TPE	600 V	Yellow	.495"	-50°C to +90°C	SEOOW	STOOW
724	U.S.	12	16 AWG	Copper Stranding	TPE	600 V	Yellow	.690"	-50°C to +90°C	SEOOW	STOOW
697	U.S.	6	18 AWG	Copper Stranding	PVC	300 V	Yellow	.502"	-40°C to +105°C	STOW	STO
649	U.S.	7	18 AWG	Copper Stranding	PUR	300 V	Yellow	.270"	-45°C to +80°C	AWM 20233	Class I/II
650	U.S.	8	18 AWG	Copper Stranding	PUR	300 V	Yellow	.292"	-45°C to +80°C	AWM 20233	Class I/II
651	U.S.	9	18 AWG	Copper Stranding	PUR	300 V	Yellow	.313"	-45°C to +80°C	AWM 20233	Class I/II
652	U.S.	10	18 AWG	Copper Stranding	PUR	300 V	Yellow	.340"	-45°C to +80°C	AWM 20233	Class I/II
654	U.S.	12	18 AWG	Copper Stranding	PUR	300 V	Yellow	.354"	-45°C to +80°C	AWM 20233	Class I/II
619	U.S.	3	18 AWG	Copper Stranding	CPE	600 V	Yellow	.370"	-25°C to +90°C	SOOW	SOW
741	Automotive	3	16 AWG	Copper Stranding	TPE	600 V	Yellow	.390"	-50°C to +90°C	SEOOW	STOOW
742	Automotive	5	16 AWG	Copper Stranding	TPE	600 V	Yellow	.495"	-50°C to +90°C	SEOOW	STOOW
688	Automotive	3	18 AWG	Copper Stranding	PVC	300 V	Yellow	.290"	-40°C to +105°C	AWM 2661	Class I/II
689	Automotive	4	18 AWG	Copper Stranding	PVC	300 V	Yellow	.290"	-40°C to +105°C	AWM 2661	Class I/II
755	Automotive	5	18 AWG	Copper Stranding	TPE	250 V	Yellow	.333"	-50°C to +90°C	AWM 20327	PLTC
676	Numeric	12	18 AWG	Copper Stranding	PUR	300 V	Yellow	.390"	-45°C to +80°C	AWM 20233	Class I/II
669	Numeric	19	18 AWG	Copper Stranding	PUR	300 V	Yellow	.489"	-45°C to +80°C	AWM 20233	Class I/II
603	IEC	2	18 AWG	Copper Stranding	PVC	300 V	Yellow	.290"	-40°C to +105°C	AWM 2661	Class I/II
601	IEC	3	18 AWG	Copper Stranding	PVC	300 V	Yellow	.290"	-40°C to +105°C	AWM 2661	Class I/II
645	IEC	3	18 AWG	Copper Stranding	PUR	300 V	Yellow	.220"	-45°C to +80°C	AWM 20333	Class I/II
602	IEC	4	18 AWG	Copper Stranding	PUR	300 V	Yellow	.230"	-45°C to +80°C	AWM 20233	Class I/II
731	IEC	3	18 AWG	Copper Stranding	TPE	250 V	Yellow	.284"	-50°C to +90°C	AWM 20327	Class I/II PLTC
637	IEC	4	18 AWG	Copper Stranding	TPE	300 V	Yellow	.280"	-25°C to +105°C	AWM 20327	Class I/II
794	IEC	5	18 AWG	Copper Stranding	TPE	300 V	Yellow	.327"	-50°C to +90°C	AWM 20327	Class I/II
728	IEC	12	18 AWG	Copper Stranding	TPE	600 V	Yellow	.596"	-50°C to +90°C	SEOOW	STOOW

Cable Specifications

MICRO (M12) CABLE SPECIFICATIONS											
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Voltage Rating	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
731	IEC	3	brown blue black	3 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	TPE	Yellow	.284" / Ø 7.2mm	AWM 20327	Class I/II, A/B
637	IEC	4	brown white blue black	4 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	TPE	Yellow	.308" / Ø 7.82mm	AWM 20327	Class I/II, A/B
632	IEC	3	brown blue black	3 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.190" / Ø 4.8mm	AWM 2661	Class I/II, A/B
633	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.190" / Ø 4.8mm	AWM 2661	Class I/II, A/B
612	IEC	5	brown white blue black grey	5 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.210" / Ø 5.3mm	AWM 2661	Class I/II, A/B
627	IEC	8	white brown green yellow grey pink blue red	8 x 0.25mm <sup>2</sup> 24 AWG	300 V	Copper Stranding	PVC	Black	.232" / Ø 5.9mm	AWM 2661	Class I/II, A/B
06	IEC	3	brown blue black	3 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PVC	Orange	.197" / Ø 5.0mm	AWM 2464	Class I/II, A/B
07	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PVC	Orange	.197" / Ø 5.0mm	AWM 2464	Class I/II, A/B
56	IEC	5	brown white blue black grey	5 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PVC	Orange	.224" / Ø 5.7mm	AWM 2464	Class I/II, A/B
182	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC Shielded	Orange	.217" / Ø 5.5mm		
183	IEC	5	brown white blue black grey	5 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC Shielded	Orange	.236" / Ø 6.0mm		
184	IEC	8	white brown green yellow grey pink blue red	8 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC Shielded	Orange	.260" / Ø 6.6mm		
635	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC Shielded	Yellow	.230" / Ø 5.8mm	AWM 2661	Class I/II, A/B

**Cable Specifications**

MICRO (M12) CABLE SPECIFICATIONS											
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Voltage Rating	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
224	IEC	3	brown blue black	3 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free	Black	.169" / Ø 4.3mm	AWM 21198 or AWM 20549	Class I/II, A/B
225	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free	Black	.185" / Ø 4.7mm	AWM 21198 or AWM 20549	Class I/II, A/B
228	IEC	5	brown white blue black grey	5 x 0.50mm <sup>2</sup> 20 AWG		Copper Stranding	PUR Halogen-Free	Black	.213" / Ø 5.4mm	AWM 21198 or AWM 20549	Class I/II, A/B
337	IEC	6	white green yellow grey blue brown	6 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free	Black	.236" / Ø 6.0mm	AWM 21198 or AWM 20549	Class I/II, A/B
282	IEC	7	white brown green yellow grey pink blue	7 x 0.25mm <sup>2</sup> 24 AWG		Copper Stranding	PUR Halogen-Free	Black	.236" / Ø 6.0mm	AWM 21198 or AWM 20549	Class I/II, A/B
348	IEC	12	brown blue  white green pink yellow black brey red violet grey/pink red/blue	2 x 0.25mm <sup>2</sup> 24 AWG  10 x 0.14mm <sup>2</sup> 26 AWG		Copper Stranding	PUR Halogen-Free	Black	.236" / Ø 6.0mm		
226	IEC	3	blue brown green/yellow	3 x 0.50mm <sup>2</sup> 20 AWG		Copper Stranding	PUR Halogen-Free	Black	.181" / Ø 4.6mm	AWM 21198 or AWM 20549	Class I/II, A/B
260	IEC	3	brown ble black	3 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free Welding Spark Proof	Black	.177" / Ø 4.5mm	AWM 21198 or AWM 20549	Class I/II, A/B
251	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free Welding Spark Proof	Black	.185" / Ø 4.7mm	AWM 21198 or AWM 20549	Class I/II, A/B
268	IEC	6	white green yellow grey brown blue	6 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free Welding Spark Proof	Black	.236" / Ø 6.0mm	AWM 21198 or AWM 20549	Class I/II, A/B
288	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PVC Shielded	Black	.217" / Ø 5.5mm	AWM 21198 or AWM 20549	Class I/II, A/B

## Cable Specifications

MICRO (M12) CABLE SPECIFICATIONS											
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Voltage Rating	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
298	IEC	5	brown white blue black grey	5 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free Shielded	Black	.236" / Ø 6.0mm	AWM 21198 or AWM 20549	Class I/II, A/B
299	IEC	8	brown white green yellow grey pink blue red	8 x 0.25mm <sup>2</sup> 24 AWG		Copper Stranding	PUR Halogen-Free Shielded	Black	.260" / Ø 6.6mm	AWM 21198 or AWM 20549	Class I/II, A/B
645	IEC	3	brown blue black	3 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	PUR	Yellow	.236" / Ø 6.0mm	AWM 20233	Class I/II, A/B
602	IEC	4	brown white blue black	4 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	PUR	Yellow	.230" / Ø 5.8mm	AWM 20233	Class I/II, A/B
610	IEC	3	brown blue black	3 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR	Yellow	.190" / Ø 4.8mm	AWM 20233	Class I/II, A/B
679	IEC	4	brown white blue black	4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR	Yellow	.190" / Ø 4.8mm	AWM 20233	Class I/II, A/B
644	IEC	5	brown white blue black grey	5 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR	Yellow	.210" / Ø 5.3mm	AWM 20233	Class I/II, A/B

Cable Specifications

MICRO (1/2"-20) CABLE SPECIFICATIONS											
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Voltage Rating	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
755	Automotive	5	red/wht tr. red grn red/yel tr. red/blk tr.	5 x 0.75mm <sup>2</sup> 18 AWG	250 V	Copper Stranding	TPE	Yellow	.333" / Ø 8.5mm	AWM 20327	Class I/II, A/B
688	Automotive	3	grn red/blk red/wht	3 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	PVC	Yellow	.290" / Ø 7.4mm	AWM 2661	Class I/II, A/B
689	Automotive	4	red/blk red/wht red grn	4 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	PVC	Yellow	.290" / Ø 7.4mm	AWM 2661	Class I/II, A/B
618	Automotive	3	grn red/blk red/wht	3 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.180" / Ø 4.6mm	AWM 20233	Class I/II, A/B
674	Automotive	4	red/blk red/wht red grn	4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.190" / Ø 4.8mm	AWM 20233	Class I/II, A/B
673	Automotive	5	red/wht tr. red grn red/yel tr. red/blk tr.	5 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PVC	Yellow	.210" / Ø 5.3mm	AWM 20233	Class I/II, A/B
664	Automotive	3	grn red/blk red/wht	3 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR	Yellow	.190" / Ø 4.8mm	AWM 20233	Class I/II, A/B
619	U.S.	3	grn blk wht	3 x 0.75mm <sup>2</sup> 18 AWG	300 V	Copper Stranding	CPE	Yellow	.370" / Ø 9.4mm	SOOW	SOW
30	U.S.	11	blk wht red grn orn blu wht/blk red/blk grn/blk orn/blk blu/blk	3 x 0.75mm <sup>2</sup> 18 AWG  8 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR/PVC	Black	.354" / Ø 9.0mm	VDE	
38	U.S.	7	blk wht red grn orn blu wht/blk	3 x 0.75mm <sup>2</sup> 18 AWG  4 x 0.34mm <sup>2</sup> 22 AWG	300 V	Copper Stranding	PUR/PVC	Black	.331" / Ø 8.4mm	VDE	















## Cable Specifications

PICO (M8) CABLE SPECIFICATIONS											
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Voltage Rating	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
06	IEC	3	brn blu blk	3 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PVC	Orange	.197" / Ø 5.0mm	AWM 2464	AWM 1/II A/B
07	IEC	4	brn wht blu blk	4 x 0.25mm <sup>2</sup> 24 AWG		Copper Stranding	PVC	Orange	.197" / Ø 5.0mm	AWM 2464	AWM 1/II A/B
224	IEC	3	brn blu blk	3 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free	Black	.185" / Ø 4.7mm	AWM 21198 AWM 20549	AWM I/II A/B
225	IEC	4	brn wht blu blk	4 x 0.34mm <sup>2</sup> 22 AWG		Copper Stranding	PUR Halogen-Free	Black	.181" / Ø 4.6mm	AWM 21198 AWM 20549	AWM I/II A/B

## Cable Specifications





DIN VALVE CABLE SPECIFICATIONS										
Cable NO.	Color Code	Wires	Color	Gauge mm <sup>2</sup> AWG	Stranding	Material	Jacket Color	Outside Diameter	UL Rating	CSA Rating
205	IEC	3	brn blu grn/yel	3 x 0.75 mm <sup>2</sup> (24 x Ø 0.20 mm)	Copper Stranding	PVC	Black	Ø 5.5 mm		
212	IEC	3	brn blu grn/yel	3 x 0.50 mm <sup>2</sup> (16 x Ø 0.20 mm)	Copper Stranding	PVC	Black	Ø 5.0 mm		
226	IEC	3	brn blu grn/yel	3 x 0.50 mm <sup>2</sup> (16 x Ø 0.20 mm)	Copper Stranding	PUR Halogen-Free	Black	Ø 4.6 mm		
228	IEC	5	brn wht blu blk grn/yel	5 x 0.50 mm <sup>2</sup> (16 x Ø 0.20 mm)	Copper Stranding	PUR Halogen-Free	Black	Ø 5.4 mm		
241	IEC	3	brn blu grn/yel	3 x 0.50 mm <sup>2</sup> (16 x Ø 0.21 mm)	Copper Stranding	PUR Halogen-Free Welding Spark Proof	Orange	Ø 5.0 mm		
259	IEC	5	brn wht blu blk grn/yel	5 x 0.50 mm <sup>2</sup> (16 x Ø 0.21 mm)	Copper Stranding	PUR Halogen-Free Welding Spark Proof	Orange	Ø 5.5 mm		

## Cable Specifications

FIELD BUS CABLE SPECIFICATIONS					
Cable NO.	Color	Lead	Material	Jacket Color	Outside Diameter
<b>41</b> 	brn blu	<b>2 x 1.50 mm<sup>2</sup></b> (192 x Ø 0.10 mm)	<b>PUR/PVC</b>	Orange	.284" / Ø 7.2 mm
<b>97</b> 	brn blu	<b>2 x 1.50 mm<sup>2</sup></b> (75 x Ø 0.15 mm)	<b>Rubber</b>	Yellow	Flat Cable
<b>98</b> 	brn blu	<b>2 x 1.50 mm<sup>2</sup></b> (75 x Ø 0.15 mm)	<b>Rubber</b>	Black	Flat Cable
<b>145</b> 	brn blu	<b>2 x 1.50 mm<sup>2</sup></b> (84 x Ø 0.15 mm)	<b>TPE</b>	Black	Flat Cable
<b>146</b> 	brn blu	<b>2 x 1.50 mm<sup>2</sup></b> (84 x Ø 0.15 mm)	<b>TPE</b>	Yellow	Flat Cable
<b>202</b> 	blu blk grn/yel grn/red (standard in pairs)	<b>3 x 0.75 mm<sup>2</sup></b> (42 x Ø 0.15 mm) <b>1 x 2 x 0.34mm<sup>2</sup></b> (84 x Ø 0.15 mm)	<b>PUR</b>	Violet	.433" / Ø 11.0 mm
<b>253</b>  	blu/wht  red/blk	<b>2 x 0.25 mm<sup>2</sup></b> (24 AWG) (19 x Ø 0.13 mm)  <b>2 x 0.34mm<sup>2</sup></b> (22 AWG) (19 x Ø 0.16 mm)	<b>PUR</b> Halogen Free	Black	.264" / Ø 6.7 mm
<b>254</b> 	red grn	<b>2 x 0.38 mm<sup>2</sup></b> (19 x Ø 0.15 mm)	<b>PUR</b> Halogen Free	Violet	.299" / Ø 7.6 mm
<b>613</b>  <b>THICK</b>	standard in pairs: blu/wht red/blk	<b>1 x 2 x 18 AWG</b> (19 x 34 AWG) <b>1 x 2 x 15 AWG</b> 19 x 28 AWG)	<b>PVC</b>	Gray	.430" / Ø 11.0 mm
<b>614</b>  <b>THIN</b>	standard in pairs: blu/wht red/blk	<b>1 x 2 x 22 AWG</b> (19 x 34 AWG) <b>1 x 2 x 24 AWG</b> (19 x 36 AWG)	<b>PVC</b>	Gray	.270" / Ø 6.9 mm
<b>636</b>  <b>TRAY</b>	standard in pairs: blu/wht red/blk	<b>1 x 2 x 16 AWG</b> (C19 x 29 AWG) <b>1 x 2 x 18 AWG</b> 19 x 30 AWG)	<b>PVC</b>	Gray	.525" / Ø 13.3 mm
<b>700</b>  <b>MID - HF</b>	standard in pairs: blu/wht red/blk	<b>1 x 2 x 16 AWG</b> (65 x 34 AWG) <b>1 x 2 x 20 AWG</b> 19 x 32 AWG)	<b>TPE</b>	Black	.380" / Ø 9.7 mm
<b>710</b>  <b>THIN - HF</b>	standard in pairs: blu/wht red/blk	<b>1 x 2 x 22 AWG</b> (19 x 34 AWG) <b>1 x 2 x 24 AWG</b> 19 x 36 AWG)	<b>TPE</b>	Black	.280" / Ø 7.1 mm



## Cable Specifications

ETHERNET CABLE SPECIFICATIONS									
Cable NO.	Number of Wires	Color Code Pair #1 / Pair #2 / Pair #3 / Pair #4	Wire Size	Inner Jacket Material / Color	Shielding Foil / Braid	Outer Jacket Material / Color / Diameter	Temperature Rating Installation / Operation	Velocity Propogation	Specifications
706	2 Twisted Pairs	Orange/White-Orange Green/White-Green	24 AWG Stranded	N/A	Unshielded	FRTPE / Teal / 5.3mm (.210")	-50°C to 60°C		NEC (UL) CM CEC C(UL) CM Ethernet/IP compliant
									
656	4 Twisted Pairs	Blue/Light Blue Orange/White Green/Light Green Brown/Light Brown	24 AWG Stranded	PVC / Gray	Shielded	PVC / Teal / 7.77mm (.306")	-40°C to 60°C -40°C to 75°C	67% Nominal	UL Type CMR CEC C(UL) Type CMR TIA 568-B.2 CAT5E ISO/IEC 11801 CAT5E UL Verified to CAT5E NEMA WC-63.1 CAT5E
									
607	4 Twisted Pairs	White/Blue + Blue White/Orange + Ong Green/Light Green Brown/Light Brown	24 AWG Stranded		Unshielded	PVC / Teal / 6.15mm (.242")	-25°C to 75°C -40°C to 75°C	70% Nominal	UL Type CMR CEC C(UL) Type CMR TIA 568-B.2 CAT5E ISO/IEC 11801 CAT5E UL Verified to CAT5E NEMA WC-63.1 CAT5E
									
609	4 Twisted Pairs	Blue/Light Blue Orange/White Green/Light Green Brown/Light Brown	24 AWG Solid	PVC / Gray	Shielded	PVC / Teal / 7.26mm (.286")	-40°C to 60°C -40°C to 75°C	67% Nominal	UL Type CMR CEC C(UL) Type CMR TIA 568-B.2 CAT5E ISO/IEC 11801 CAT5E UL Verified to CAT5E NEMA WC-63.1 CAT5E
									
342	4 Conductor Star-Quad Cable	White Yellow Blue Orange	22 AWG Stranded		Shielded	PUR, halogen free Green 6.20 mm (.244")	-50°C to 80°C -25°C to 80°C		UL: AWM 20236 ProfINET Type C ProfINET compliant
