

M8 INDUSTRIAL I/O CABLES

PART NUMBER REFERENCE: M8 - X X - X - X X - X X M

Select Connector Type: End "1" (See Next Pg.)

 M8, 2P Female
 = A
 M8, 5P Female
 = G

 M8, 2P Male
 = B
 M8, 5P Male
 = H

 M8, 3P Female
 = C
 M8, 6P Female
 = J

 M8, 3P Male
 = D
 M8, 6P Male
 = K

 M8, 4P Female
 = E
 M8, 8P Female
 = L

 M8, 4P Male
 = F
 M8, 8P Male
 = M

Select Connector Orientation: End "1" Straight Exit = A

Right Angle: B = 360°, C = 145°, D = 90°, E = 135°, F = 180°, G = 225°, H = 270°, J = 315°

Cable Type Options:

28 AWG, 5C = 1 22 AWG, 5C, HIFLEX = 2 26 AWG, 5C HIFLEX = 3 28 AWG, 8C = 4

Select Connector Type: End "2" (See Next Pg.)

 M8, 2P Female
 = A
 M8, 5P Female
 = G

 M8, 2P Male
 = B
 M8, 5P Male
 = H

 M8, 3P Female
 = C
 M8, 6P Female
 = J

 M8, 3P Male
 = D
 M8, 6P Male
 = K

 M8, 4P Female
 = E
 M8, 8P Female
 = L

 M8, 4P Male
 = F
 M8, 8P Male
 = M

X on end "2" denotes Flying Leads = X

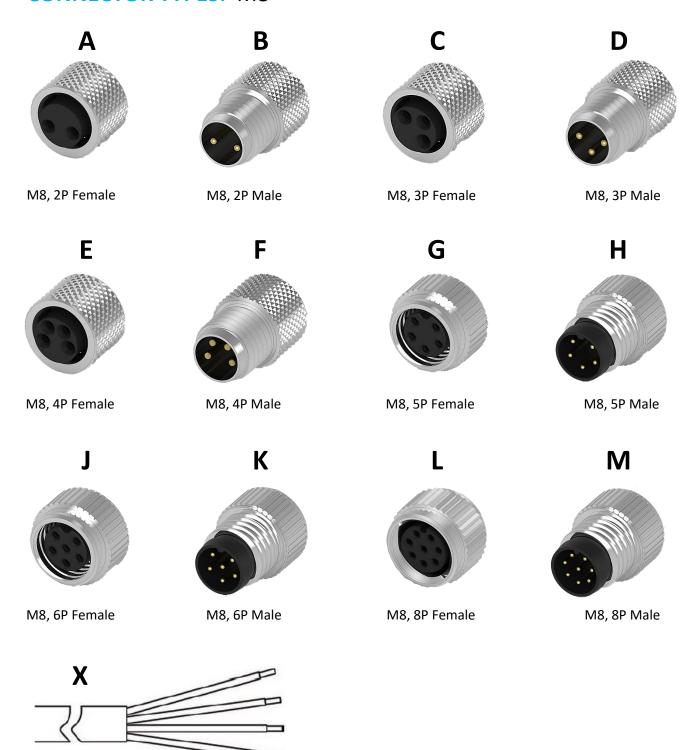
Select Connector Orientation: End "2" Straight Exit = A

Right Angle: B = 360°, C = 145°, D = 90°, E = 135°, F = 180°, G = 225°, H = 270°, J = 315°

Length in Meters: 0.3 - 60

Temp: 02-28-22

CONNECTOR TYPES: M8



Additional Dimensional Information:

For additional information regarding the physical dimensions of our connector profiles, Please visit our Web-Site: www.componentsExpress.com

Or call to speak to one of our sales associates and we will be happy to assist.

Temp: 02-28-22

Flying Leads

(Approximate 50 mm. Cut-Back)

MI & M8, Type #: 1

SPEC No.:	7/0.127TA*5C+	AEB 85%					
Customer		Customer NO.		8 Code:	34120130	Sample NO:	W99011904
JL File NO.	E101344	UL Style:	UL 2464	Date:	1/19/10	Spec NO:	1275588P005017
CSA File NO.	0	CSA Style:	0	Edition:.	Original edition	Operation NO:	0
	Structure			•	Str	ucture A	
	Structure AWG	AWG			28	# (7/36)	
Conductors	Material				Tinn	ed Copper	
	O.D.	mm			0	381 Ref	
	Material				S	R-PVC	
Insulation	Diameter	mm			0.3	82±0.06	
Hisulation	Average Thickness	mm			0.3	220 Ref	
	Color				AS C	Color Code	
	Direction				Ri	ight (S)	
Layer	Pitch	mm			4	45 Ref	
	Diameter	mm			2	.21 Ref	
	Material				AL-foil/n	nylar	
Shielding 1	Conductive Side				Outsi	de	
•	Overlap Rate	%			25	MIN	
Drain wire	Structure AWG	AWG			26	i# (7/34)	
Diam wife	Material				,	Tinned Copper	
01:11:	Shield]	Braid	
Shielding 2	Material				Tinn	ed Copper	
	Coverage Rate	%			8	35MIN	
	Material					PVC	
	Diameter	mm			5	± 0.15	
Jacket	Min Thickness	mm				0.76	
Jacket	Extrusion					Solid	
	Externals					Plane	
	Color				P001	(BLACK)	

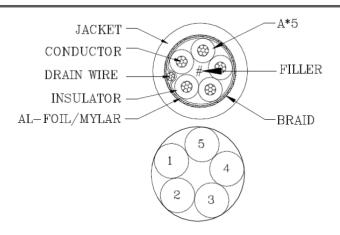


COMPONENTS EXPRESS, INC.

10330 Argonne Woods Drive, Ste100 Woodridge, IL 60517

W99011904 (E0898)

Rev. A, 1/19/2010, Updated 2/17/22



COLOR CODE

1.BLACK (P570) 2.BROWN (P571)

3.YELLOW (P574)

4.BLUE (P576)

5.WHITE (P579)

MINIMUM BEND RADIUS: 10X O.D.

Pg. 1/2

MI & M8, Type #: 1

CABLE CHARACTERS

SPEC No.:	7/0.127TA*	*5C+AE	EB 85°	%				
Customer		Custome	er NO.		8 Code:	34120130	Sample NO:	W99011904
UL File NO.	E101344	UL Style:		UL 2464	Date:	1/19/10	Spec NO:	1275588P005017
CSA File NO.	0	CSA Style:		0	Edition:.	Original edition	Operation NO:	0

Electric Characters

1.Voltage rating: 300V

2.Temperature rating: 80°C

3.Spark test: AC- 2500V/0.15 sec MIN.

4.Dielectric strength: AC-1500V/3 sec MIN.

5.Insulation resistance :SR-PVC: DC- 500V 10 M Ω /KM MIN. at 20 $^{\circ}$ C

6.Conductor resistance: 28AWG- 237 Ω/KM MAX. at 20°C

Physical Characters

1.Flame test of cable:

1.1 VW-1

2.Tensile strength test (before aging):

 $2.1 \text{ Sheath} : > 1.05 \text{kg/mm}^2$

2.2 Insulation : > 2.11kg/mm2

3. Tensile strength test (after aging):

3.1 Sheath : >70%

3.2 Insulation : > 70%

4. Elongation (before aging):

4.1 Sheath : > 100%

4.2 Insulation : > 100%

5. Elongation (after aging):

5.1 Sheath: >65%

5.2 Insulation : >70%

6.Requirements for green environment protection: Accord with RoHS



COMPONENTS EXPRESS, INC.

10330 Argonne Woods Drive, Ste100 Woodridge, IL 60517

W99011904 (E0898)

Rev. A, 1/19/2010, Updated 2/17/22

MI Type #: C / M8 Type #: 2

Description: Five conductor unshielded cable manufactured as UL AWM Style 2586 105C

600V, C(UL) CMX OUTDOOR-CMG 105C, & CSA AWM I/II A/B 105C 600V FT4. Insulated conductors manufactured as UL AWM Style 10708 105C 600V.

(5) 22 AWG SINGLE CONDUCTORS:

Conductor: (5) 22 AWG stranded (19/.0058) tin copper conductors.

Insulation: 16 mils nominal wall of 105C rated PVC.

Nominal O.D. over insulation: .060"

OVERALL CABLE CONSTRUCTION:

Fillers: Central fibrillated foamed polypropylene filler used for roundness.

Jacket: .041" nominal wall of 105C rated PVC.

Nominal O.D.: .244"

MINIMUM BEND RADIUS: 10X O.D.

Jacket Color: Black

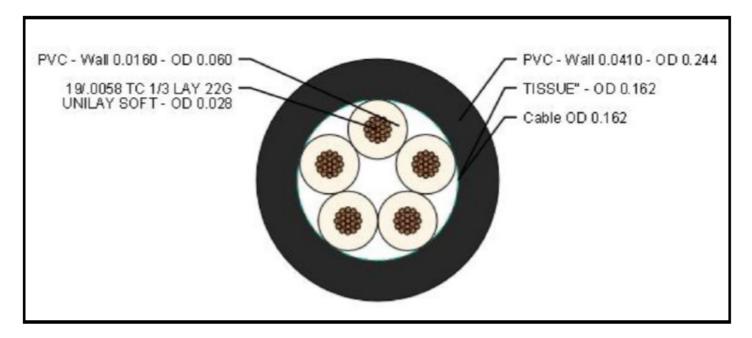
Assembly: (5) 22 AWG single conductors twisted with fillers and left hand lay. Pressure

extruded with PVC jacket and tissue separator between jacket and cable core.



REF: 2205CU Rev. A, 2/6/2020 Updated: 2/17/22

MI Type #: C



Cable Rotation: 1 - BLACK 4 - BROWN 2 - BLUE 5 - WHITE

3 - GREEN

RoHS Compliant: YES

Temperature Range: -40°C to 105°C (Static)

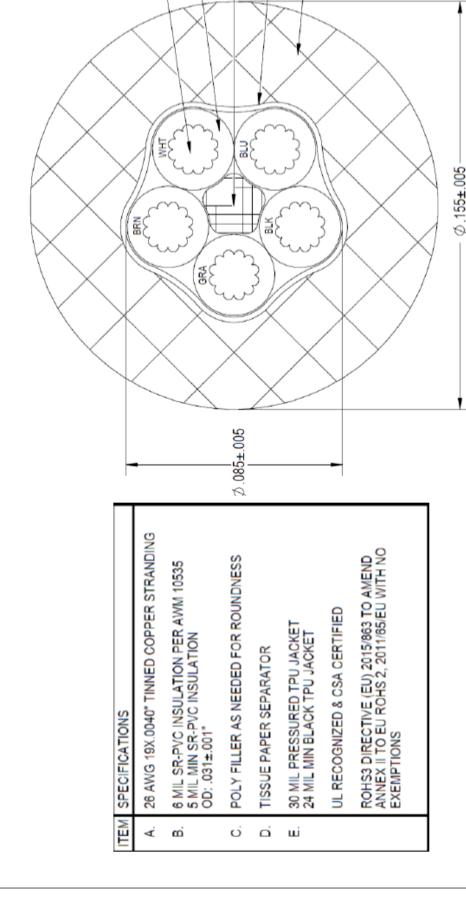
Test Voltage: 2000 Volts Conductor to Conductor

Conductor Resistance: 22 AWG – 15.04 Ohms/1,000 ft



REF: 2205CU Rev. A, 2/6/2020 Updated: 2/17/22

MI Type #: D / M8 Type #: 3



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Woodridge, IL 60517 MINIMUM BEND RADIUS: 10X O.D.

COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive, Ste100

REF: 2605CU

Rev. 1, 11/26/2019 Update: 2/17/22

MI Cable Type #: 2 / M8 Cable Type #: 4

SPECIFICATION:	VIION: 8C*28AWG +AL,MYLAR+DRAIN+BRAID	AYLAR+DRAIN+	BRAID /UL2464		CONSTRUCTION	ON DWG	
II	ITEM	SPECIF	SPECIFICATION		/	PVC.IACKET	CKET
	AWG	28AWG					
CONDUCTOR	MATERIAL	TINNED	COPPER			di da	
	COND.SIZE	7/0.127±0.008 ₪	0.008 mm)(8,)/		BKAID	
	MIN.AVG.THICK	0.23 mm					
INSULATION	MATERIAL	SR-PVC				AL. MYLAR	TAR
	O.D	0.90 ± 0.05 Ⅲ	₩ 2(-)		CONDITCTOR	TCTOR
	NO.	3C			(4)		
Face Outside	COVERAGE	100%		<u>્</u>	1	NOTTA TIDIN	NOTE
AL.MYLAR	OVERLAP	25% MIN		•		TOSHI	NOTE
	AWG	28AWG				NDAIN	
DRAIN	MATERIAL	TINNED	COPPER		\	NIPAG	
	SIZE	7/0.127±0.008 ₪			COLOR CODE:	ODE:	
BRAID	MATERIAL	TINNED	COPPER	1.WHITE 2.BROWN	3.GREEN	4.YELLOW 5.GRAY	I.Y.
	SIZE	16*8/0.10	16*8/0.10±0.008 mm 85%MIN	6.PINK 7.BLUE	8.RED		
	MIN.AVG.THICK	0.76 ₪					
JACKET	MATERIAL	HALF MATT PVC	ATT PVC				
	COLOR						
	O.D	$5.50 \pm 0.15 \text{mm}$	5 mm				
				NIN	O VOY STIIIOVA ON BEING TO YOU	DILIC 40X O.D.	
					או טאום וווטוי	100 VOI . FOID	
				0	COMPON 10330 Argo	COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive. Ste100	SS, INC.
					Woodridge, IL 60517	, IL 60517	
ELECTRICAL	ICAL CHARACTERISTICS	PHYSICAL I	PHYSICAL PROPERTIES OF JACKET				
1 Parising TEN	SOUTH TAGE	SIX	INSULATION JACKET) ***OCC	03100838** (E0807)	
I. Kating: LEIVIP	300	Strength Aged	MIN 3000PSI MIN 1300F		070	7,1/2007	17/22
2. Conductor Re	Conductor Resistance: at 20°C MAX	g	,0				
,,,	28AWG: 237.25Ω/km;	PagA		APPROVED		CISTOMER	
	THE REAL PROPERTY OF THE PARTY	Heat shock test	\neg	+		CONTONIEN	
5. Institation Acsistance	 insulation is estimated. Totals from the at 20 (2 of 500 V (E14-504-21)). 	Cold bend test Deformation test	MAX 50% MAX 50%	CHECKED		REV	A
4. Dielectric Strength:	4. Dielectric Strength: AC 1500V/Iminute no breakdown (EIA-364-20)	Flame retardant test	/W-1	VW-1 DRAWING	CWJ	DATE	16/11/08
						000	

CC-EW-206A