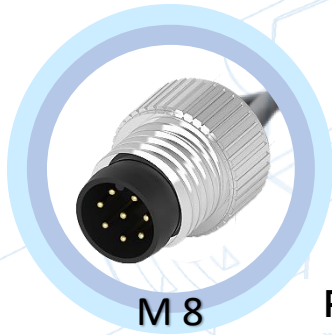


For more information please contact:

**BOCK OPTRONICS INC.**14 Steinway Blvd., Unit 7
Toronto, Ontario M9W 6M6

Tel: (416) 674-2804

sales@bockoptronics.cawww.bockoptronics.ca**M8****INDUSTRIAL I/O CABLES**PART NUMBER REFERENCE: **M8 - XX - X - XX - XX 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 = ARight 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 = ARight 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

A



M8, 2P Female

B



M8, 2P Male

C



M8, 3P Female

D



M8, 3P Male

E



M8, 4P Female

F



M8, 4P Male

G



M8, 5P Female

H



M8, 5P Male

J



M8, 6P Female

K



M8, 6P Male

L



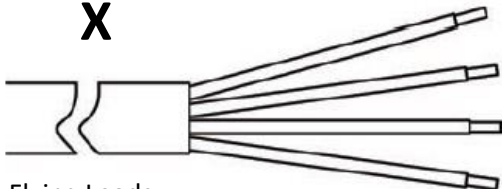
M8, 8P Female

M



M8, 8P Male

X



Flying Leads
(Approximate 50 mm. Cut-Back)

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

MI & M8, Type #: 1

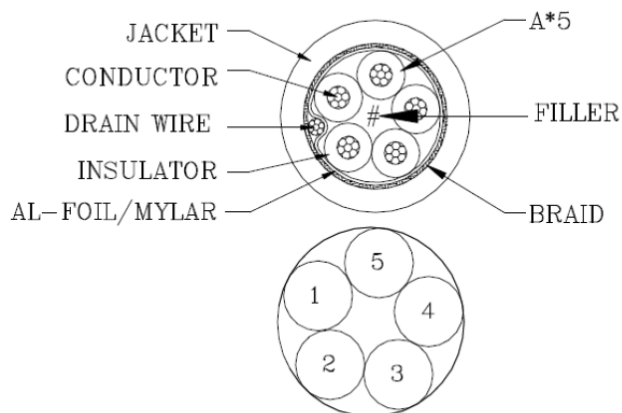
SPEC No.:	7/0.127TA*5C+AEB 85%						
Customer		Customer NO.		8 Code:	34120130	Sample NO:	W99011904
UL File NO.	E101344	UL Style:	UL 2464	Date:	1/19/10	Spec NO:	1275588P005017
CSA File NO.	0	CSA Style:	0	Edition.:	Original edition	Operation NO:	0
Structure			Structure A				
Conductors	Structure AWG	AWG	28# (7/36)				
	Material	--	Tinned Copper				
	O.D.	mm	0.381 Ref				
Insulation	Material	--	SR-PVC				
	Diameter	mm	0.82±0.06				
	Average Thickness	mm	0.220 Ref				
	Color	--	AS Color Code				
Layer	Direction	--	Right (S)				
	Pitch	mm	45 Ref				
	Diameter	mm	2.21 Ref				
Shielding 1	Material	--	--	AL-foil/mylar			--
	Conductive Side	--	--	Outside			--
	Overlap Rate	%	--	25 MIN			--
Drain wire	Structure AWG	AWG	26# (7/34)				
	Material	--	Tinned Copper				
Shielding 2	Shield	--	Braid				
	Material	--	Tinned Copper				
	Coverage Rate	%	85MIN				
Jacket	Material	--	PVC				
	Diameter	mm	5 ± 0.15				
	Min Thickness	mm	0.76				
	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.

MI & M8, Type #: 1

CABLE CHARACTERS

SPEC No.:	7/0.127TA*5C+AEB 85%							
Customer		Customer 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 MΩ/KM MIN. at 20°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 Sheath : > 1.05kg/mm²
 - 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.



COMPONENTS EXPRESS, INC.

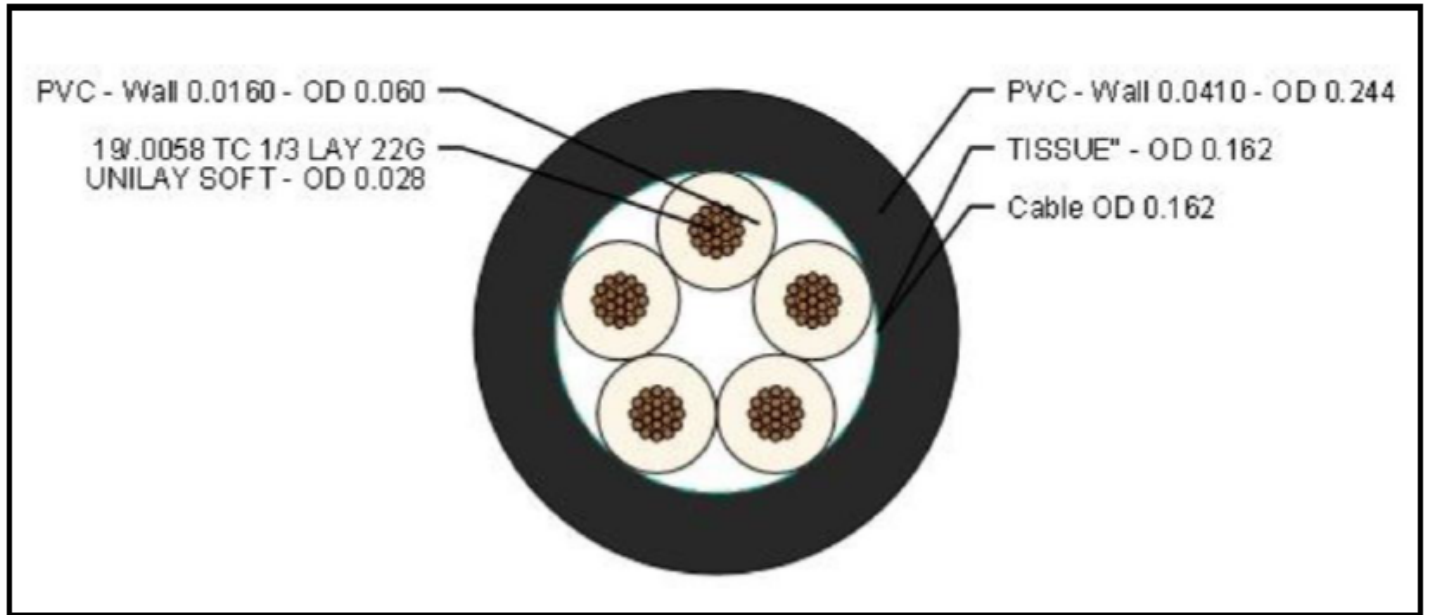
10330 Argonne Woods Drive, Ste 100
Woodridge, IL 60517

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	



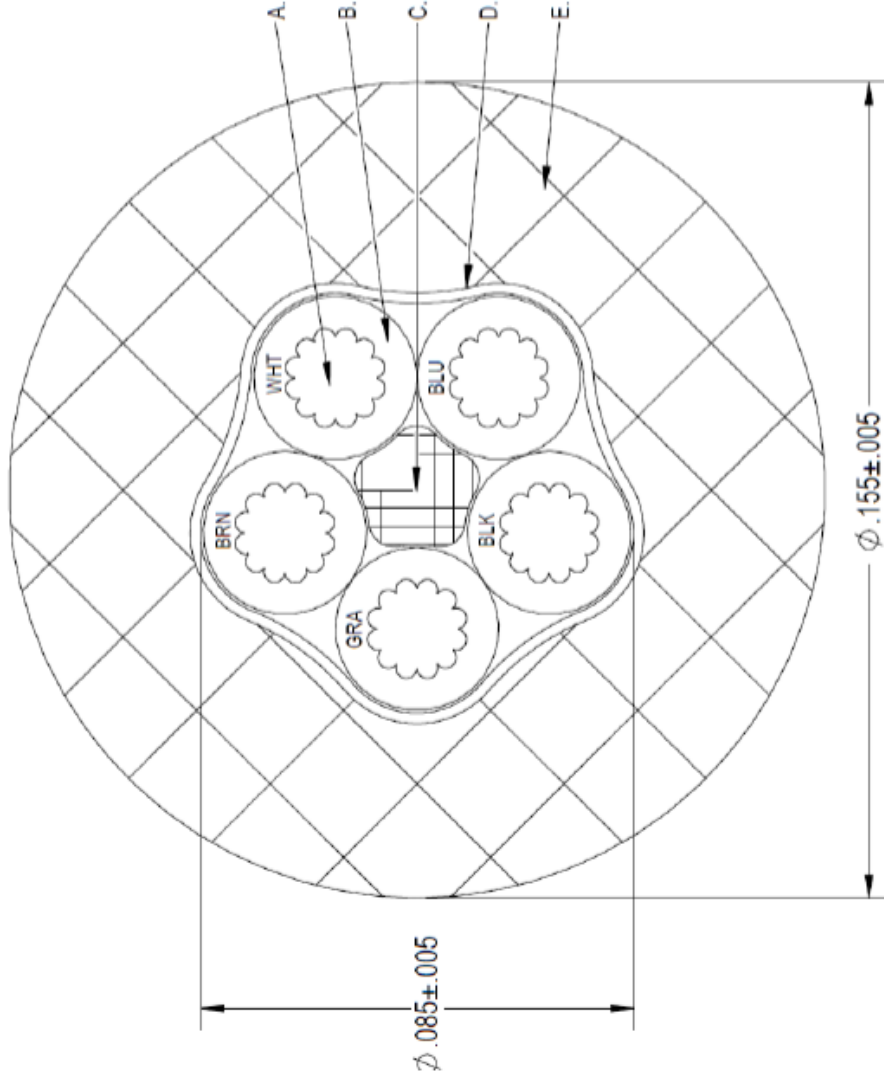
COMPONENTS EXPRESS, INC.
10330 Argonne Woods Drive, Ste100
Woodridge, IL 60517

REF: 2205CU

Rev. A, 2/6/2020

Updated: 2/17/22

MI Type #: D / M8 Type #: 3



ITEM	SPECIFICATIONS
A.	26 AWG 19X.0040" TINNED COPPER STRANDING
B.	6 MIL SR-PVC INSULATION PER AWM 10535 5 MIL MIN SR-PVC INSULATION OD: .031±.001"
C.	POLY FILLER AS NEEDED FOR ROUNDNESS
D.	TISSUE PAPER SEPARATOR
E.	30 MIL PRESSURED TPU JACKET 24 MIL MIN BLACK TPU JACKET
	UL RECOGNIZED & CSA CERTIFIED
	ROHS3 DIRECTIVE (EU) 2015/863 TO AMEND ANNEX II TO EU ROHS 2, 2011/65/EU WITH NO EXEMPTIONS

MINIMUM BEND RADIUS: 10X O.D.



COMPONENTS EXPRESS, INC.
10330 Argonne Woods Drive, Ste 100
Woodridge, IL 60517

REF: 2605CU
Rev. 1, 11/26/2019 Update: 2/17/22
Pg. 1/1

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

SPECIFICATION: 8C*28AWG +AL..MYLAR+DRAIN+BRAID /UL2464		CONSTRUCTION DWG	
ITEM	SPECIFICATION		
CONDUCTOR	28AWG TINNED COPPER	PVC JACKET	
	7/0.127±0.008 mm	BRAID	
INSULATION	0.23 mm SR-PVC	AL. MYLAR	
	0.90 ± 0.05 mm	CONDUCTOR	
	8C	INSULATION	
Face Outside AL.MYLAR	100% 25% MIN	DRAIN	
DRAIN	28AWG TINNED COPPER		
BRAID	7/0.127±0.008 mm TINNED COPPER	COLOR CODE:	
	16*8/0.10±0.008 mm 85%MIN	1.WHITE 2.BROWN 3.GREEN 4.YELLOW 5.GRAY	
	0.76 mm	6.PINK 7.BLUE 8.RED	
JACKET	HALF MATT PVC		
	5.50 ± 0.15 mm		
		MINIMUM BEND RADIUS: 10X O.D.	
		COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive, Ste 100 Woodridge, IL 60517	
		93190828*** (E0897), 2/17/22	
ELECTRICAL CHARACTERISTICS		APPROVED	CUSTOMER
1. Rating : TEMP 80°C ; VOLTAGE 300V		CHECKED	REV A
2. Conductor Resistance: at 20°C MAX 28AWG: 237.25Ω/km;		DRAWING CWJ	DATE 16/11/08
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V (EIA-364-21)			
4. Dielectric Strength: AC 1500V/1 minute no breakdown. (EIA-364-20)			
PHYSICAL PROPERTIES OF JACKET			
STYLE	INSULATION	JACKET	
Tensile	MIN 3000PSI	MIN 1500PSI	
Strength	MIN 70%	MIN 70%	
Elongation	MIN 100%	MIN 100%	
Heat shock test	MIN 70%	MIN 65%	
Cold bend test	NO CRACKING	NO CRACKING	
Deformation test	MAX 50%	NO CRACKING	
Flame retardant test	PASS UL VW-1	MAX 50%	
		PASS UL VW-1	