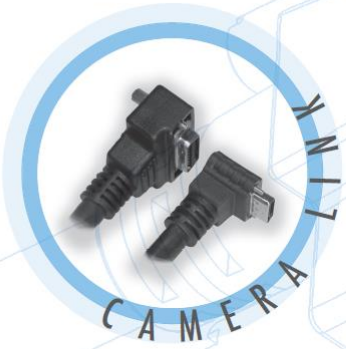


CAMERA LINK

MACHINE VISION CABLES

PART NUMBER REFERENCE

M VC - X - X - X - ( ) M

Select Connector Type: End "1"

MDR Male Straight Exit = 1
MDR Female Straight Exit = 2
MDR Male Low Profile R/A Exit *UP* = 3
MDR Male Low Profile R/A Exit *DWN* = 4
HDR / SDR Male Straight Exit = 5
HDR / SDR Male R/A Exit *UP* w/Recessed Screws = 6
HDR / SDR Male R/A Exit *DOWN* w/Recessed Screws = 7
MDR Male Ext. Profile R/A Exit *UP* = 8
MDR Male Ext. Profile R/A Exit *DWN* = 9
MDR Male Exit *RIGHT* w/Recessed Screws = 10
MDR Male Exit *LEFT* w/Recessed Screws = 11
HDR / SDR Female Straight Exit = 12
MDR Male R/A *UP* 135° Exit *LEFT* = 13
MDR Male R/A *DWN* 135° Exit *LEFT* = 14
14P HDR / SDR PoCL Lite Straight Exit w/Recessed Screws = 15
MDR Latch Type Straight Exit = 16
HDR / SDR Male Exit *RIGHT* w/Recessed Screws = 17
HDR / SDR Male Exit *LEFT* w/Recessed Screws = 18
HDR / SDR Male R/A *UP* Ext. Profile w/Recessed Screws = 19
HDR / SDR Male R/A *DWN* Ext. Profile w/Recessed Screws = 20

Cable Type Options:

HIFLEX (Robotic / C-Track) = 1
HIFLEX PoCL (Robotic / C-Track) = 2
30 AWG (Robotic / C-Track) = 3
30 AWG PoCL (Robotic / C-Track) = 4
PoCL Lite = 5

Select Connector Type: End "2"

MDR Male Straight Exit = 1
MDR Female Straight Exit = 2
MDR Male Low Profile R/A Exit *UP* = 3
MDR Male Low Profile R/A Exit *DWN* = 4
HDR / SDR Male Straight Exit = 5
HDR / SDR Male R/A Exit *UP* w/Recessed Screws = 6
HDR / SDR Male R/A Exit *DOWN* w/Recessed Screws = 7
MDR Male Ext. Profile R/A Exit *UP* = 8
MDR Male Ext. Profile R/A Exit *DWN* = 9
MDR Male Exit *RIGHT* w/Recessed Screws = 10
MDR Male Exit *LEFT* w/Recessed Screws = 11
HDR / SDR Female Straight Exit = 12
MDR Male R/A *UP* 135° Exit *LEFT* = 13
MDR Male R/A *DWN* 135° Exit *LEFT* = 14
14P HDR / SDR PoCL Lite Straight Exit w/Recessed Screws = 15
MDR Latch Type Straight Exit = 16
HDR / SDR Male Exit *RIGHT* w/Recessed Screws = 17
HDR / SDR Male Exit *LEFT* w/Recessed Screws = 18
HDR / SDR Male R/A *UP* Ext. Profile w/Recessed Screws = 19
HDR / SDR Male R/A *DWN* Ext. Profile w/Recessed Screws = 20

Option: Length in Meters

Physical:

Cable Color:	Black
Shell Color:	Black
Shell Construction:	Pre-molded in Polyethelene, fully shielded and over-molded in black PVC.
Cable Construction:	Meets Automated Imaging Association Camera Link Standard. Skew-within pair: 35 ps/m max Skew-channel skew per chipset: 50 ps/m max. All cables are Camera Link approved.

Temp: 8-14-19

Aegis Electronic Group
www.aegiselect.com

CONNECTOR TYPE OPTIONS:

1

MDR Male
Straight Exit

2

MDR Female
Straight Exit
w/Removable Hardware

3

MDR Male Low Profile
R/A UP

4

MDR Male Low Profile
R/A DOWN

5

HDR / SDR Male
Straight Exit

6

HDR / SDR Male R/A
Exit UP
w/Recessed Screws

7

HDR / SDR Male R/A
Exit DOWN
w/Recessed Screws

8

MDR Male Ext. Profile
R/A Exit UP

9

MDR Male Ext. Profile
R/A Exit DOWN

10

MDR Male
Exit RIGHT
w/Recessed Screws

11

MDR Male
Exit LEFT
w/Recessed Screws

12 *

HDR / SDR Female
Straight Exit

13

MDR Male R/A UP 135°
Exit LEFT

14

MDR Male R/A DOWN 135°
Exit LEFT

15 **

14P HDR / SDR PoCL Lite
Straight Exit
w/Recessed Screws

16 *

MDR Latch Type
Straight Exit
Diecast

17

HDR / SDR Male
Exit RIGHT
w/Recessed Screws

18

HDR / SDR Male
Exit LEFT
w/Recessed Screws

19

HDR / SDR Male R/A UP
Ext. Profile
w/Recessed Screws

20

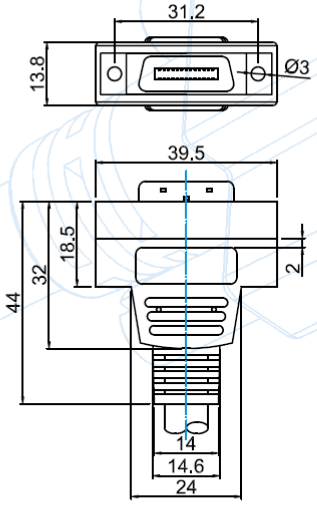
HDR / SDR Male R/A DOWN
Ext. Profile
w/Recessed Screws

Aegis Electronic Group
www.aegisele.com

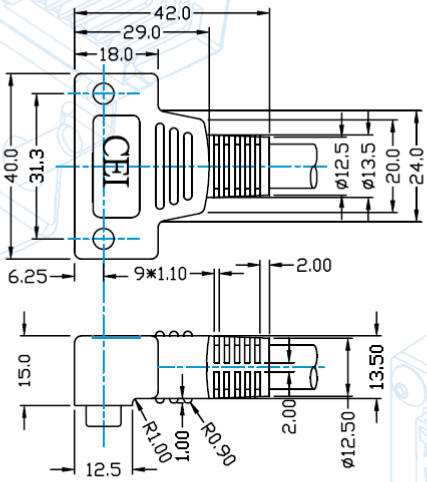
* *Connector #12 & 16 are ONLY compatible with cable types 3 & 4.*
** *Cable type 5 is ONLY compatible with connector #15.*

See pages 4 – 5 for profile drawings.

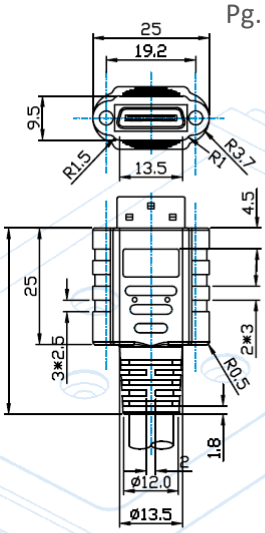
Temp:
8-14-19



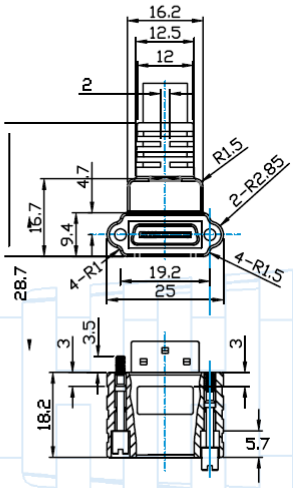
PROFILES 1 & 2



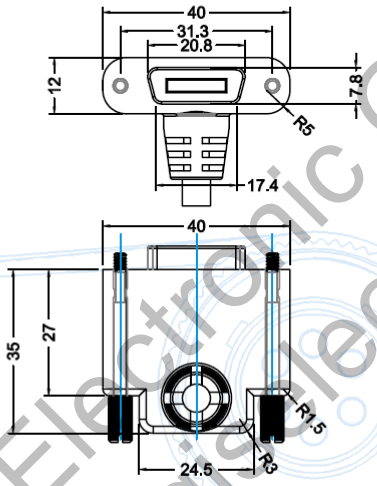
PROFILES 3 & 4



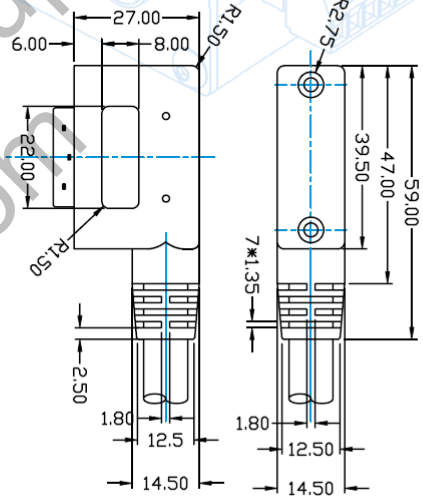
PROFILE 5



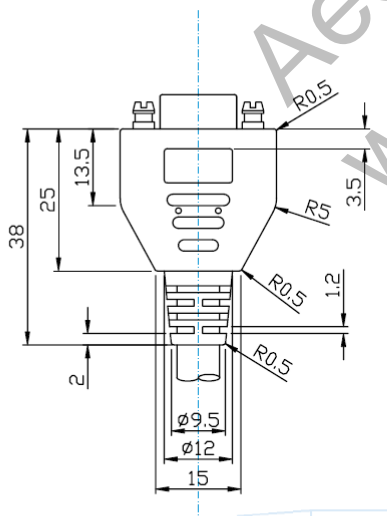
PROFILES 6 & 7



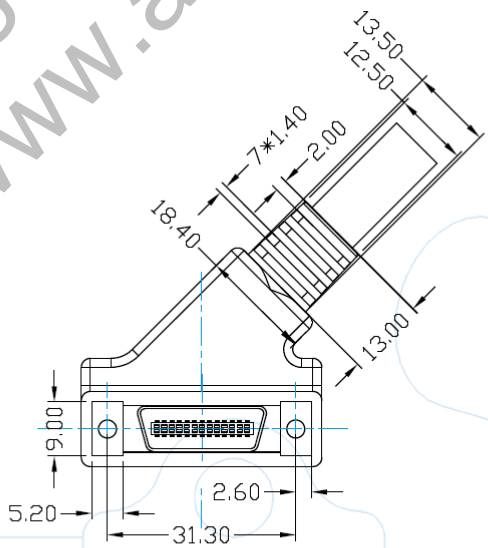
PROFILES 8 & 9



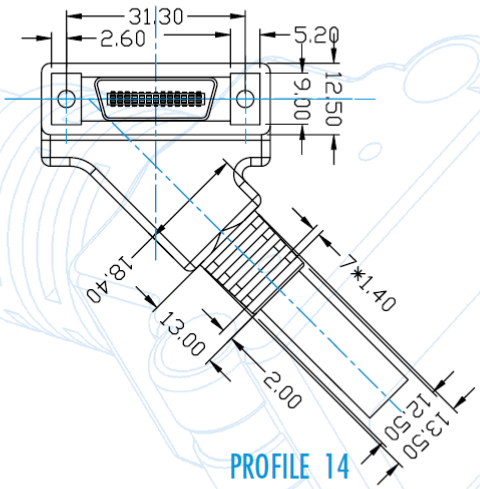
PROFILES 10 & 11



PROFILE 12



PROFILE 13



PROFILE 14

Temp: 8-14-19

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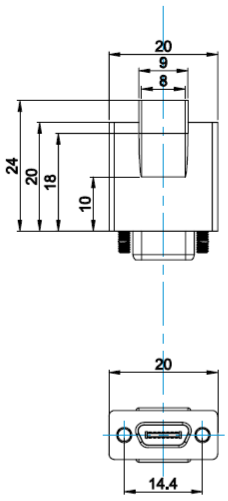
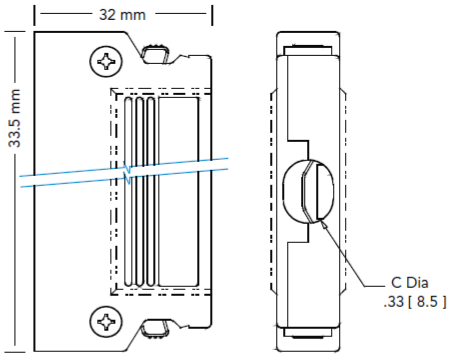
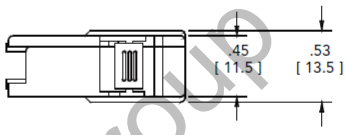
www.aegisselect.com



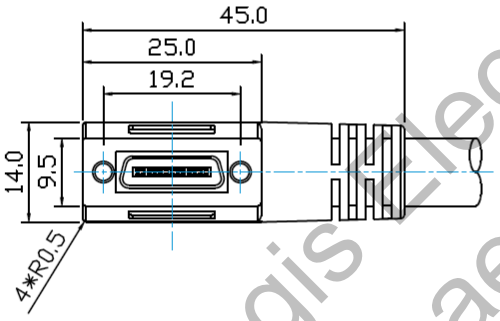
PROFILE 15

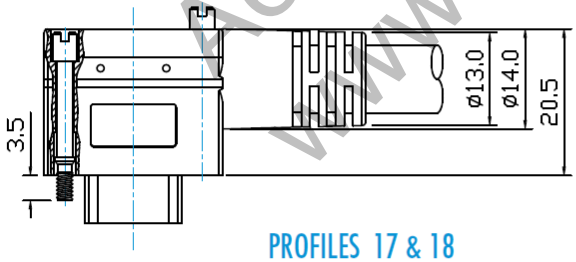




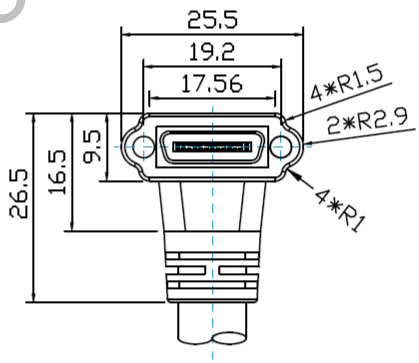
Assembled Junction Shell

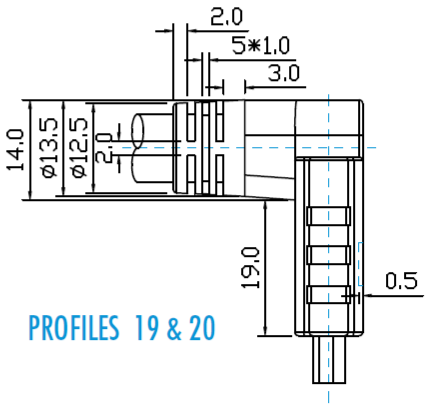
PROFILE 16





PROFILES 17 & 18





PROFILES 19 & 20

Aegis Electronic Group
www.aegiselect.com

Temp: 8-14-19

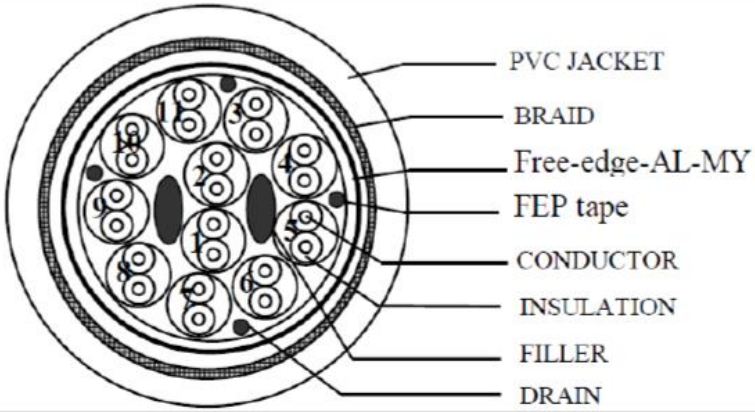
MVC-Cable Type #: 1

Please Note that Cable Type #: 2 (pg. 2) may be substituted for Cable Type #: 1, For non-PoCL assemblies.

SPECIFICATION: (1P*28#+AL)*11C+4D+ FEP tape + Free-edge-AL-MYLAR +B

ITEM		SPECIFICATION
CONDUCTOR	AWG	28AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	19/0.08± 0.008 ㎜
INSULATION	MIN.AVG.THICK	0.25 ㎜
	MATERIAL	FM-PE+SKIN
	O . D	1.02± 0.05 ㎜
Face Outside AL.Mylar	COVERAGE	100%
	OVERLAP	25% MIN
	N O.	(1P+AL)*11C
DRAIN	AWG	28AWG
	MATERIAL	TINNED COPPER
	SIZE	19/0.08± 0.008 ㎜×4PCS
FEP tape	COVERAGE	100%
	OVERLAP	25% MIN
Free-edge-AL -MYLAR	COVERAGE	100%
	OVERLAP	25% MIN
DRAIN	AWG	/
	MATERIAL	/
	SIZE	/
BRAID COPPER	MATERIAL	TINNED COPPER
	SIZE	24*10/0.12± 0.008 ㎜ 90% MIN
JACKET	MIN.AVG.THICK	0.51 ㎜
	MATERIAL	HALF MATT PVC
	COLOUR	UL813
	O . D	9.50 ± 0.20 ㎜

CONSTRUCTION D.W.G



COLOUR CODE:

(1P+AL)*11C: 1.white*whte/black 2. white*whte/red 3. white*whte/green
4. white*whte/blue 5. white*whte/purple 6. white*whte/gray
7. white*whte/yellow 8. white*whte/orange 9. white*whte/brown
10. white/blue*white/green 11. white/black*white/red

机(機)器人 / 拖链

MINIMUM BEND RADIUS: 10X O.D.

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

ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80℃ ; VOLTAGE 30V
2. Conductor Resistance: at 20℃ MAX
   28AWG: 237.25Ω/km;
3. Insulation Resistance: 100MΩ-km min at 20℃
4. Dielectric Strength: AC 500V/1minute no breakdown.
5. Impedance: 100±10Ω
6. Time Delay Skew: within a pair(max) 50ps/M;
7. Delay Max 5.20ns/m

PHYSICAL PROPERTIES OF JACKET

1. Tensile Strength: Unaged: 1500PSI min Aged: 70% min
2. Elongation: Unaged: 100% min Aged: 65%
3. Heat shock test: NO CRACKING
4. Cold bend test: NO CRACKING
5. Deformation test: MAX 50%
6. Flame test: PASS VW-1

2065940066 (E0755-1) 8/8/19

APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING	CWJ	DATE	16/11/03

CC-EW-206A

Aegis Electronic Group
www.aegiselect.com

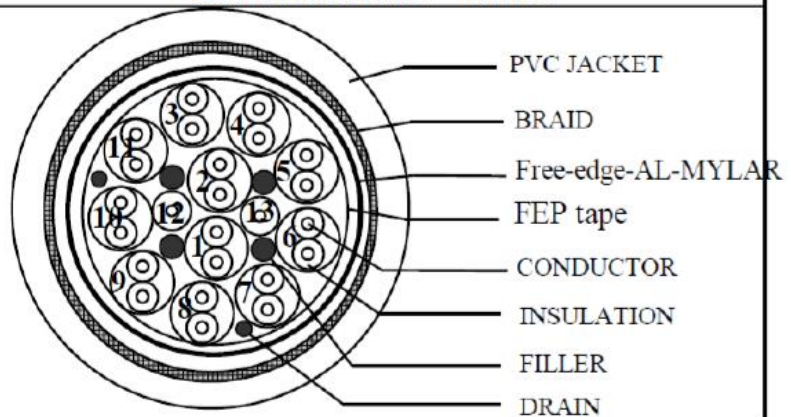
MVC-Cable Type #: 2

Please Note that Cable Type #: 2 (pg. 2) may be substituted for Cable Type #: 1, For non-PoCL assemblies.

SPECIFICATION: (1P*28#+AL)*11C+2C*24#+2D+ FEP tape + Free-edge-AL-MYLAR +B

ITEM		SPECIFICATION	
CONDUCTOR	AWG	28AWG	24AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.08± 0.008 ㎜	19/0.127± 0.008 ㎜
INSULATION	MIN.AVG.THICK	0.25 ㎜	0.25 ㎜
	MATERIAL	FM-PE+SKIN	SR-PVC
	O . D	1.02± 0.05 ㎜	1.10± 0.05 ㎜
Face Outside AL.Mylar	COVERAGE	100%	/
	OVERLAP	25% MIN	/
	N O.	(1P+AL)*11C	2C
DRAIN	AWG	24AWG	
	MATERIAL	TINNED COPPER	
	SIZE	19/0.127± 0.008 ㎜×2PCS	
FEP tape	COVERAGE	100%	
	OVERLAP	25% MIN	
Free-edge-AL -MYLAR	COVERAGE	100%	
	OVERLAP	25% MIN	
DRAIN	AWG	/	
	MATERIAL	/	
	SIZE	/	
BRAID COPPER	MATERIAL	TINNED COPPER	
	SIZE	24*10/0.12± 0.008 ㎜ 90% MIN	
JACKET	MIN.AVG.THICK	0.51 ㎜	
	MATERIAL	HALF MATT PVC -20℃~80℃	
	COLOUR	UL813	
	O . D	9.50 ± 0.20 ㎜	

CONSTRUCTION D.W.G



COLOUR CODE:

(1P+AL)*11C: 1.white*whte/black 2. white*whte/red 3. white*whte/green
4. white*whte/blue 5. white*whte/purple 6. white*whte/gray
7. white*whte/yellow 8. white*whte/orange 9. white*whte/brown
10. white/blue*white/green 11. white/black*white/red
2C*24#:12.red 13.black

机(機)器人 / 拖链

MINIMUM BEND RADIUS: 10X O.D.

ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80℃ ; VOLTAGE 30V
2. Conductor Resistance: at 20℃ MAX
   28AWG: 237.25Ω/km; 24AWG: 93.25Ω/km
3. Insulation Resistance: 28AWG 100MΩ-km min at 20℃
   24AWG 10MΩ-km min at 20℃
4. Dielectric Strength: AC 500V/1minute no breakdown.
5. Impedance: 100±10Ω
6. Time Delay Skew: within a pair(max) 50ps/M;
7. Delay Max 5.20ns/m

PHYSICAL PROPERTIES OF JACKET

1. Tensile Strength: Unaged: 1500PSI min Aged: 70% min
2. Elongation: Unaged: 100% min Aged: 65%
3. Heat shock test: NO CRACKING
4. Cold bend test: NO CRACKING
5. Deformation test: MAX 50%
6. Flame test: PASS VW-1

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

206594006900 8/8/19

APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING	*CWJ*	DATE	16/11/03

CC-EW-206A

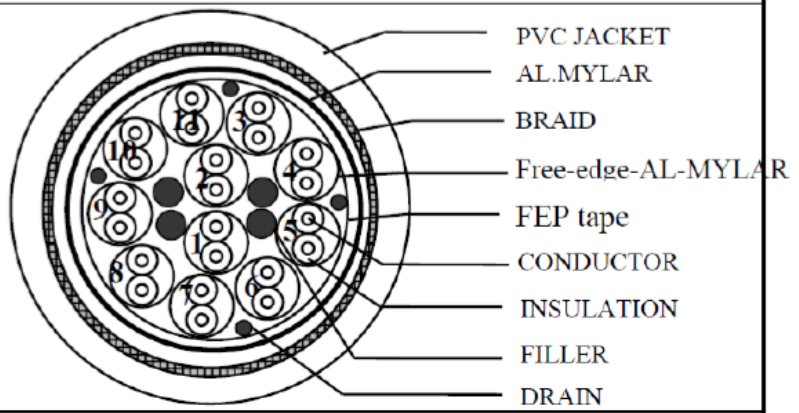
Aegis Electronic Group www.aegiselect.com

MVC-Cable Type #: 3

SPECIFICATION: (1P*30#+AL)*11C+4D+ FEP tape + Free-edge-AL-MYLAR +B

ITEM		SPECIFICATION
CONDUCTOR	AWG	30AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	19/0.06± 0.008 ㎜
INSULATION	MIN.AVG.THICK	0.25 ㎜
	MATERIAL	FM-PE+SKIN
	O . D	0.79± 0.05 ㎜
Face Outside AL.Mylar	COVERAGE	100%
	OVERLAP	25% MIN
	N O.	(1P+AL)*11C
DRAIN	AWG	28AWG
	MATERIAL	TINNED COPPER
	SIZE	19/0.08± 0.008 ㎜x4PCS
FEP tape	COVERAGE	100%
	OVERLAP	25% MIN
Free-edge-AL -MYLAR	COVERAGE	100%
	OVERLAP	25% MIN
DRAIN	AWG	/
	MATERIAL	/
	SIZE	/
BRAID COPPER	MATERIAL	TINNED COPPER
	SIZE	16*11/0.12± 0.008 ㎜
JACKET	MIN.AVG.THICK	0.51 ㎜
	MATERIAL	MATT PVC
	COLOUR	UL813
	O . D	8.00 ± 0.30 ㎜

CONSTRUCTION D.W.G



COLOUR CODE:

(1P+AL)*11C: 1.white*white/black 2. white*white/red 3. white*white/green 4. white*white/blue 5. white*white/purple 6. white*white/gray 7. white*white/yellow 8. white*white/orange 9. white*white/brown 10. white/blue*white/green 11. white/black*white/red

机(機)器人 / 拖链

MINIMUM BEND RADIUS: 10X O.D.

ELECTRICAL CHARACTERISTICS

1. Conductor Resistance: at 20℃ MAX 30AWG: 376.96Ω/km;
2. Insulation Resistance: 10MΩ-km min at 20℃ dc 500V.(EIA-364-21)
3. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
4. Impedance: 100±10Ω

PHYSICAL PROPERTIES OF JACKET

1. Tensile Strength: Unaged: 1500PSI min Aged: 70% min
2. Elongation: Unaged: 100% min Aged: 65%
3. Heat shock test: NO CRACKING
4. Cold bend test: NO CRACKING
5. Deformation test: MAX 50%
6. Flame test: PASS VW-1

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

96599030004 8/8/19

APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING	*CWJ*	DATE	16.12.10

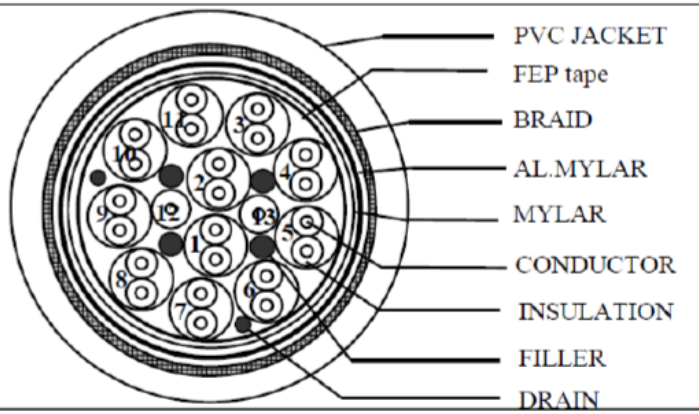
CC-EW-206A

Aegis Electronic Group www.aegiselect.com

MVC-Cable Type #: 4

SPECIFICATION:	(1P*30#+AL)*11C+2C*28#+2D+ FEP tape +M +AL+B		
ITEM		SPECIFICATION	
CONDUCTOR	AWG	30AWG	28AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.06± 0.008 ㎜	19/0.08± 0.008 ㎜
INSULATION	MIN.AVG.THICK	0.20 ㎜	0.10 ㎜
	MATERIAL	FM-PE+SKIN	SR-PVC
	O . D	0.78± 0.05 ㎜	0.65± 0.05 ㎜
Face Outside AL.Mylar	COVERAGE	100%	/
	OVERLAP	25% MIN	/
	N O.	(1P+AL)*11C	2C
DRAIN	AWG	28AWG	
	MATERIAL	TINNED COPPER	
	SIZE	19/0.08± 0.008 ㎜×2PCS	
FEP tape	COVERAGE	100%	
Mylar	COVERAGE	100%	
	OVERLAP	25% MIN	
Face Outside AL.Mylar	COVERAGE	100%	
	OVERLAP	25% MIN	
DRAIN	MATERIAL	/	
	SIZE	/	
BRAID COPPER	MATERIAL	TINNED COPPER	
	SIZE	16*11/0.12± 0.008 ㎜	
JACKET	MIN.AVG.THICK	0.51 ㎜	
	MATERIAL	MATT PVC	
	COLOUR	UL813 BLACK	
	O . D	7.60 ± 0.20 ㎜	

CONSTRUCTION D.W.G



COLOUR CODE:

(1P+AL)*11C: 1.white*whte/black 2. white*whte/red 3. white*whte/green
4. white*whte/blue 5. white*whte/purple 6. white*whte/gray
7. white*whte/yellow 8. white*whte/orange 9. white*whte/brown
10. white/blue*white/green 11. white/black*white/red
2C*28#: 12.black 13.red

机(機)器人 / 拖链

MINIMUM BEND RADIUS: 10X O.D.

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

96599261002 8/8/19

ELECTRICAL CHARACTERISTICS

1. Conductor Resistance: at 20℃ MAX
30AWG: 376.96Ω/km; 28AWG: 237.25Ω/km;
2. Insulation Resistance: 30AWG 100MΩ-km min at 20℃ dc 500V
28AWG 10MΩ-km min at 20℃ dc 500
3. Dielectric Strength: AC 500V/1minute no breakdown.
4. Impedance: 100±10Ω
5.Time Delay Skew: within a pair(max) 50ps/M;

PHYSICAL PROPERTIES OF JACKET

1.Tensile Strength: Unaged: 1500PSI min Aged: 70% min
2. Elongation: Unaged: 100% min Aged: 65%
3. Heat shock test: NO CRACKING
4. Cold bend test: NO CRACKING
5. Deformation test: MAX 50%
6. Flame test: PASS VW-1

APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING	CWJ	DATE	2017.02.15

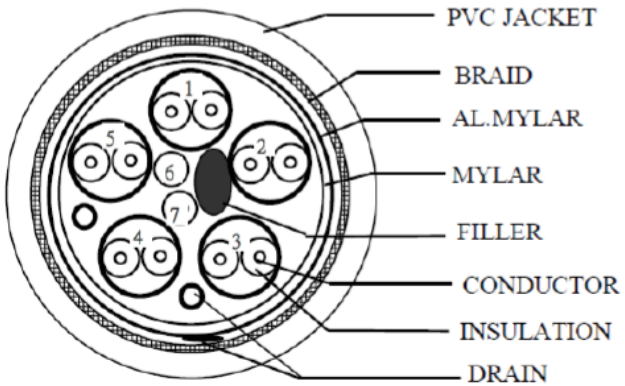
CC-EW-206A

Aegis Electronic Group
www.aegiselect.com

MVC-Cable Type #: 5

SPECIFICATION:	(1P*30# +AL)*5C+2C*30# +2D+M+AL +B		
ITEM		SPECIFICATION	
CONDUCTOR	AWG	30AWG	30AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.10± 0.008 ㎜	7/0.10± 0.008 ㎜
INSULATION	MIN.AVG.THICK	0.18 ㎜	0.10 ㎜
	MATERIAL	FM-PE+SKIN	SR-PVC
	O . D	0.72±0.06 ㎜	0.60± 0.05 ㎜
	N O.	1P*5C	2C
DRAIN	AWG	/	/
	MATERIAL	/	/
	SIZE	/	/
FACE INSIDE AL.Mylar	COVERAGE	100%	/
	OVERLAP	25%MIN	/
MYLAR	COVERAGE	/	/
	OVERLAP	/	/
DRAIN	MATERIAL	TINNED COPPER	
	SIZE	7/0.127± 0.008 ㎜*2PCS	
MYLAR	COVERAGE	100%	
	OVERLAP	25%MIN	
Face outside AL.Mylar	COVERAGE	100%	
	OVERLAP	25%MIN	
BRAID	MATERIAL	**TINNED COPPER**	
	SIZE	16*10/0.10± 0.008 ㎜ 7PICH 90%MIN	
JACKET	MIN.AVG.THICK	0.51 ㎜	
	MATERIAL	MATT PVC	
	COLOUR	UL813 BLACK	
	O . D	5.50± 0.20 ㎜	

CONSTRUCTION D.W.G



COLOUR CODE:

5P*30AWG: 1.WHITE*WHITE/BLACK 2.WHITE*WHITE/RED
3. WHITE*WHITE/GREEN 4. WHITE*WHITE/BLUE
5. WHITE*WHITE/PURPLE
2C*30AWG: 6.BLACK 7.RED

MINIMUM BEND RADIUS: 10X O.D.

ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80℃ : VOLTAGE 30V
2. Conductor Resistance: at 20℃ MAX 30AWG: 376.96Ω/km;
3. Insulation Resistance: 30# SR 10MΩ-km min at 20℃ dc 500V (EIA-364-21)
30# FM-PE+SKIN 100MΩ-km min at 20℃ dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
5. Impedance: Pairs(differential mode) 100±10Ω
6. Delay Skew: 50ps/m

PHYSICAL PROPERTIES OF JACKET

1.Tensile Strength: Unaged: 1500PSI min Aged: 70% min
2. Elongation: Unaged: 100% min Aged: 65%
3. Heat shock test: NO CRACKING
4. Cold bend test: NO CRACKING
5. Deformation test: MAX 50%
6. Flame test: PASS VW-1

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

96595230002 8/8/19

APPROVED		CUSTOMER	
CHECKED		REV	A
DRAWING	*CWJ*	DATE	2017.02.16

Aegis Electronic Group
www.aegisselect.com

CC-EW-206A