

# Standard **Cable**Assembly



English Version

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## We offer

- Standard & customized solutions
- Individual technical support
- Long-term experience and reliability
- High quality products due to standards and certifications

## Markets

- Industrial automation
- Machine building
- Transportation
- Power & Signal distribution

## Standard CableAssembly

- Assemblies for established Amphenol product families – eco | mate, C16-3, C091...
- Variation of termination technologies – crimping, screwing and soldering
- Different styles of cable assemblies – pigtails and connection cables
- Wide range of cable types and lengths – PVC, PUR, data lines...

## Create your part number

Side 1 + “**A**” – Side 2 – Cable type – Cable length

Example:

**C**A016 20H003 100 12 A01015

eco | mate

style:           **H – male cable connector**  
                     **K – male cable connector 90°**  
                     **D – female cable connector**  
                     **F – female cable connector 90°**



**Version: 3+PE**

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 20H003 100 12	<b>A</b> - Open ended	<b>01</b> - PVC 4G2,5	<b>015</b> - 1,5m
C016 20K003 100 12	<b>B</b> - Connection cable with male cable connector	<b>02</b> - PVC 4G2,5 UL/CSA	<b>030</b> - 3,0m
C016 20D003 100 12	<b>C</b> - Connection cable with female cable connector	<b>03</b> - PUR 4G2,5	<b>050</b> - 5,0m
C016 20F003 100 12	<b>D</b> - Connection cable with male cable connector 90°	<b>04</b> - PUR 4G2,5 UL/CSA	<b>075</b> - 7,5m
	<b>E</b> - Connection cable with female cable connector 90°	<b>05</b> - PVC 4G1,5	
		<b>06</b> - PVC 4G1,5 UL/CSA	
		<b>07</b> - PUR 4G1,5	
		<b>08</b> - PUR 4G1,5 UL/CSA	

style:           **C – male receptacle**  
                     **G – female receptacle**

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 20C003 100 12	<b>A</b> - Open ended	<b>AA</b> - wires PVC 4x2,5	<b>005</b> - 0,5m
C016 20G003 100 12		<b>AB</b> - wires PVC 4G2,5 UL/CSA	
		<b>AC</b> - wires PVC 4G1,5	
		<b>AD</b> - wires PVC 4G1,5 UL/CSA	

**Version 6+PE**

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 10H006 100 12	<b>A</b> - Open ended	<b>09</b> - PVC 7G1,5	<b>015</b> - 1,5m
C016 10K006 100 12	<b>B</b> - Connection cable with male cable connector	<b>10</b> - PVC 7G1,5 UL/CSA	<b>030</b> - 3,0m
C016 10D006 100 12	<b>C</b> - Connection cable with female cable connector	<b>11</b> - PUR 7G1,5	<b>050</b> - 5,0m
C016 10F006 100 12	<b>D</b> - Connection cable with male cable connector 90°	<b>12</b> - PUR 7G1,5 UL/CSA	<b>075</b> - 7,5m
	<b>E</b> - Connection cable with female cable connector 90°	<b>13</b> - PVC 7G1,0	
		<b>14</b> - PVC 7G1,0 UL/CSA	
		<b>15</b> - PUR 7G1,0	
		<b>16</b> - PUR 7G1,0 UL/CSA	

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 10C006 100 12	<b>A</b> - Open ended	<b>AE</b> - wires PVC 7G1,5	<b>005</b> - 0,5m
C016 10G006 100 12		<b>AF</b> - wires PVC 7G1,5 UL/CSA	
		<b>AG</b> - wires PVC 7G1,0	
		<b>AH</b> - wires PVC 7G1,0 UL/CSA	

**C|16-3**

style            **H – male cable connector**  
                   **K – male cable connector 90°**  
                   **D – female cable connector**  
                   **F – female cable connector 90°**



**Version: 8+PE**

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 10H008 103 1	<b>A</b> - Open ended	<b>17</b> - PVC 9G1,5	<b>015</b> - 1,5m
C016 10K008 103 1	<b>B</b> - Connection cable with male cable connector	<b>18</b> - PVC 9G1,5 UL/CSA	<b>030</b> - 3,0m
C016 10D008 103 1	<b>C</b> - Connection cable with female cable connector	<b>19</b> - PUR 7G1,5	<b>050</b> - 5,0m
C016 10F008 103 1	<b>D</b> - Connection cable with male cable connector 90°	<b>20</b> - PUR 7G1,5 UL/CSA	<b>075</b> - 7,5m
	<b>E</b> - Connection cable with female cable connector 90°		

style:            **C – male receptacle**  
                   **G – female receptacle**

Side 1	Side 2 ( same version )	Cable type	Cable length
C016 10C008 100 1	<b>A</b> - Open ended	<b>AK</b> - wires PVC 9G1,5	<b>005</b> - 0,5m
C016 10G008 100 1		<b>AL</b> - wires PVC 9G1,5 UL/CSA	
		<b>AM</b> - wires PVC 7G1,5	
		<b>AN</b> - wires PVC 7G1,5 UL/CSA	

**C|091D**

style:            **H – male cable connector**  
                   **K – male cable connector 90°**  
                   **D – female cable connector**  
                   **F – female cable connector 90°**



**Version: 3 pin**

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31H003 100 2	<b>A</b> - Open ended	<b>21</b> - PVC 3x0,5	<b>015</b> - 1,5m
C091 31K003 100 2	<b>B</b> - Connection cable with male cable connector	<b>22</b> - PVC 3x0,34 UL/CSA	<b>030</b> - 3,0m
C091 31D003 100 2	<b>C</b> - Connection cable with female cable connector	<b>23</b> - PUR 3x0,5	<b>050</b> - 5,0m
C091 31F003 100 2	<b>D</b> - Connection cable with male cable connector 90°		<b>075</b> - 7,5m
	<b>E</b> - Connection cable with female cable connector 90°		

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31H003 101 2	<b>A</b> - Open ended	<b>24</b> - PVC 3x0,5 shielded	<b>015</b> - 1,5m
C091 31K003 101 2	<b>B</b> - Connection cable with male cable connector	<b>25</b> - PVC 3x0,5 UL/CSA shielded	<b>030</b> - 3,0m
C091 31D003 101 2	<b>C</b> - Connection cable with female cable connector	<b>26</b> - PUR 3x0,5 shielded	<b>050</b> - 5,0m
C091 31F003 101 2	<b>D</b> - Connection cable with male cable connector 90°		<b>075</b> - 7,5m
	<b>E</b> - Connection cable with female cable connector 90°		

style:           **C – male receptacle**  
                   **G – female receptacle**

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31C003 100 2	A - Open ended	AO - Wires PVC 3x0,5	005 - 0,5 m
C091 31G003 100 2		AP - wires PVC 3x0,5 UL/CSA	

## Version: 5 pin

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31H005 101 2	A - Open ended	27 - PVC 5x0,5	015 - 1,5m
C091 31K005 101 2	B - Connection cable with male cable connector	28 - PVC 5x0,34 UL/CSA	030 - 3,0m
C091 31D005 101 2	C - Connection cable with female cable connector	29 - PUR 5x0,5	050 - 5,0m
C091 31F005 101 2	D - Connection cable with male cable connector 90°		075 - 7,5m
	E - Connection cable with female cable connector 90°		

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31H005 101 2	A - Open ended	30 - PVC 5x0,5 shielded	015 - 1,5m
C091 31K005 101 2	B - Connection cable with male cable connector	31 - PVC 5x0,5 UL/CSA shielded	030 - 3,0m
C091 31D005 101 2	C - Connection cable with female cable connector	32 - PUR 5x0,5 shielded	050 - 5,0m
C091 31F005 101 2	D - Connection cable with male cable connector 90°		075 - 7,5m
	E - Connection cable with female cable connector 90°		

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31C005 100 2	A - Open ended	AQ - wires PVC 5x0,5	005 - 0,5m
C091 31G005 100 2		AR - wires PVC 5x0,5 UL/CSA	

## Version: 8 pin

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31H008 101 2	A - Open ended	33 - PVC 8xAWG26 Cat. 5e UL/CSA shielded	015 - 1,5m
C091 31K008 101 2	B - Connection cable with male cable connector	34 - PUR 8xAWG26 Cat. 5e UL/CSA shielded	030 - 3,0m
C091 31D008 101 2	C - Connection cable with female cable connector		050 - 5,0m
C091 31F008 101 2	D - Connection cable with male cable connector 90°		075 - 7,5m
	E - Connection cable with female cable connector 90°		

Side 1	Side 2 ( same version )	Cable type	Cable length
C091 31C008 100 2	A - Open ended	AS - wires PVC 8x0,5	005 - 0,5m
C091 31G008 100 2		AT - wires PVC 8x0,5 UL/CSA	

**Overview cables**

no. of wires / wire gauge	cable jacket	color of jacket	wire isolation	wire appearance	max. outer-Ø in mm	voltage	temp. range (fixed)	temp. range (mobile)	cable type no.
3x0,34	PVC UL/CSA	grey	PVC	wh, bn, gn	5,5	300V	-40...+80°C	-5...+70°C	22
3x0,5	PVC	grey	PVC	bl, num, gnye	5,6	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	21
3x0,5	PUR	grey	PVC	bl, num	5,6	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	23
3x0,5 shielded	PVC	grey	PVC	bl, num	6,6	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	24
3x0,5 shielded	PVC UL/CSA	grey	PVC	wh, bn, gn	6,8	300V	-40...+80°C	-5...+70°C	25
3x0,5 shielded	PUR	grey	PVC	bl, num	6,6	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	26
4G1,5	PVC	grey	PVC	bl, num, gnye	7,7	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	05
4G1,5	PVC UL/CSA	grey	PVC	bl, num, gnye	8,7	UL/CSA 600V	-40...+90°C	-5...+90°C	06
4G1,5	PUR	grey	PVC	bl, num, gnye	7,7	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	07
4G1,5	PUR UL/CSA	black	PVC	bl, num, gnye	9,5	UL/CSA 600V	-40...+80°C	-5...+80°C	08
4G2,5	PVC	grey	PVC	bl, num, gnye	9,4	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	01
4G2,5	PVC UL/CSA	grey	PVC	bl, num, gnye	9,6	UL/CSA 600V	-40...+90°C	-5...+90°C	02
4G2,5	PUR	grey	PVC	bl, num, gnye	9,4	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	03
4G2,5	PUR UL/CSA	black	PVC	bl, num, gnye	10,4	UL/CSA 600V	-40...+80°C	-5...+80°C	04
4x2xAWG26	PUR UL	blue	PE	SF/UTP	6,6	Cat. 5e	-40...+60°C	-5...+60°C	34
4x2xAWG26	PVC UL/CSA	blue	PE	SF/UTP	6,9	Cat. 5e	-40...+60°C	-5...+60°C	33
5x0,34	PVC UL/CSA	grey	PVC	wh, bn, gn, ye, gy	6,4	300V	-40...+80°C	-5...+70°C	28
5x0,5	PVC	grey	PVC	bl, num	6,7	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	27
5x0,5	PUR	grey	PVC	bl, num	6,7	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	29
5x0,5 shielded	PVC	grey	PVC	bl, num	7,5	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	30
5x0,5 shielded	PVC UL/CSA	grey	PVC	wh, bn, gn, ye, gy	7,8	300V	-40...+80°C	-5...+70°C	31
5x0,5 shielded	PUR	grey	PVC	bl, num	7,5	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	32
7G1	PVC	grey	PVC	bl, num, gnye	8,5	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	13
7G1	PVC UL/CSA	grey	PVC	bl, num, gnye	10,5	UL/CSA 600V	-40...+90°C	-5...+90°C	14
7G1	PUR	grey	PVC	bl, num, gnye	8,5	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	15
7G1	PUR UL/CSA	grey	PVC	bl, num, gnye	10,2	UL/CSA 600V	-40...+80°C	-5...+80°C	16
7G1,5	PVC	grey	PVC	bl, num, gnye	9,4	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	09
7G1,5	PVC UL/CSA	grey	PVC	bl, num, gnye	9,4	UL/CSA 600V	-40...+90°C	-5...+90°C	10
7G1,5	PUR	grey	PVC	bl, num, gnye	9,4	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	11
7G1,5	PUR UL/CSA	grey	PVC	bl, num, gnye	11,2	UL/CSA 600V	-40...+80°C	-5...+80°C	12
7G1,5	PUR	grey	PVC	bl, num, gnye	9,4	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	19
7G1,5	PUR UL/CSA	grey	PVC	bl, num, gnye	11,2	UL/CSA 600V	-40...+80°C	-5...+80°C	20
9G1,5	PVC	grey	PVC	bl, num, gnye	11,9	U0 / U - 300V / 500V	-40...+80°C	-5...+70°C	17
9G1,5	PVC UL/CSA	grey	PVC	bl, num, gnye	13,1	UL/CSA 600V	-40...+90°C	-5...+90°C	18

**Single wires**

wire gauge in mm <sup>2</sup>	wire isolation	color-coding	voltage	temp.range (fixed)
0,5	PVC	DIN 47100	U0 / U - 300V / 500V	-30...+80°C
0,5 - wires tinned	PVC UL/CSA	DIN 47100	UL / CSA 600V	-40...+90°C
1	PVC	DIN 47100	U0 / U - 300V / 500V	-30...+80°C
1 - wires tinned	PVC UL/CSA	DIN 47100	UL / CSA 600V	-40...+90°C
1,5	PVC	DIN 47100	U0 / U - 450V / 750V	-30...+80°C
1,5 - wires tinned	PVC UL/CSA	DIN 47100	UL / CSA 600V	-40...+90°C
2,5	PVC	DIN 47100	U0 / U - 450V / 750V	-30...+80°C
2,5 - wires tinned	PVC UL/CSA	DIN 47100	UL / CSA 600V	-40...+90°C