



CABLES FOR SERVO DRIVES

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Table of Contents

Order Code	4
Technical Data	5
Motor Power Cables	5
DSL Cables	5
Feedback Cables.....	5
Drawings and Pin Assignment.....	6
Motor Power Cables	6
CBM007HB-C01-D01-xxxx-00	6
CBM007HB-C01-D02-xxxx-00	6
CBM015HB-C02-D01-xxxx-00	6
CBM015HB-C02-D02-xxxx-00	6
CBM015HB-C04-D01-xxxx-00	7
CBM015HB-C04-D02-xxxx-00	7
CBM015HB-T02-D01-xxxx-00	7
CBM015HB-T02-D02-xxxx-00.....	7
CBM025HB-C02-D01-xxxx-00	8
CBM025HB-C02-D02-xxxx-00.....	8
CBM025HB-C04-D01-xxxx-00	8
CBM025HB-C04-D02-xxxx-00.....	9
CBM025HB-T02-D01-xxxx-00	9
CBM040HB-C02-D02-xxxx-00.....	9
CBM060HB-T02-D01-xxxx-00	9
CBM100HB-T02-D01-xxxx-00.....	9
DSL Cables	10
CBM007HD-C11-D01-xxxx-00.....	10
CBM007HD-C11-D02-xxxx-00	10
CBM007HD-C12-D01-xxxx-00	10
CBM007HD-C12-D02-xxxx-00	11
CBM015HD-C12-D01-xxxx-00.....	11
CBM015HD-C12-D02-xxxx-00	11
CBM025HD-C12-D01-xxxx-00	12
CBM025HD-C12-D02-xxxx-00.....	12
CBM040HD-C12-D01-xxxx-00	12
CBM040HD-C12-D02-xxxx-00	13
CBM040HD-C13-D01-xxxx-00	13
CBM060HD-C13-D01-xxxx-00	13
Feedback Cables.....	14
CBFRE0H0-C06-D03-xxxx-00.....	14
CBFRE0H0-C06-D05-xxxx-00.....	14
CBFRE0H0-C07-D03-xxxx-00	14
CBFRE0H0-C07-D05-xxxx-00.....	15
CBFRE0H0-C14-D03-xxxx-00	15
CBFRE0H0-C14-D05-xxxx-00	15



If you have questions about the products contained in this catalog, or their applications, please contact:
Parker Hannifin EMEA Sàrl European Headquarters
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ORDER CODE

		1	2	3	4	5	6	7	8				
Order example		CBM	015	H	B	-	C01	-	D01	-	0050	-	00
Type													
CBM	Motor cable												
CBF	Feedback cable												
Cross section motor cable / Feedback type													
007	0.75 mm²												
015	1.5 mm²												
025	2.5 mm²												
040	4.0 mm²												
060	6.0 mm²												
RE0	Resolver												
Raw cable													
S	Standard												
H	Highflex												
T	High Temperature (for ATEX Motors)												
Equipment Type													
0	Standard												
B	With brake												
D	With brake & DSL												
Type of motor connector													
C01	SMH Motor Power – M15												
C02	SMH or MH– M23												
C04	NX Motor Power – M23												
C06	SMH or MH Motor Resolver – M23												
C07	NX2-8 – Resolver Connector – M23												
C11	M15 Hiperface DSL Feedback+Power												
C12	M23 Hiperface DSL Feedback +Power –SMH, NX												
C13	M40 Hiperface DSL Feedback +Power – MH												
C14	SMH Motor Resolver – M15												
T02	SMx82-100-115 & MB105-205 Motor Power - Terminal Box												
T03	EX/EY Motor Power with Hiperface DSL – Terminal Box												
T04	EX Motor Power – Terminal Box												
Type of drive connector													
D01	PSD1S, PSD1M18, C3												
D02	PSD1MW1-3 (w/o PSD1MW18)												
D03	PSD1S or PSD1M – Resolver/... Feedback												
D05	C3 (Compax3) – Resolver Feedback												
Length													
0030	3 m												
0050	5 m												
0070	7 m												
0100	10 m												
0150	15 m												
0200	20 m												
...	...												
Customization/Special													
00	Standard												

TECHNICAL DATA

Motor Power Cables

	CBM015HB	CBM025HB	CBM040HB	CBM060HB
	(4G1.5 + (2x1.5)C)C	(4G2.5 + (2x1.5)C)C	(4G4 + (2x1.5)C)C	(4G6 + (2x1.5)C)C
Min bending radius, static	58 mm	67 mm	74 mm	83.5 mm
Min bending radius, dynamic	87 mm	100.5 mm	111 mm	125.25 mm
Min bending cycles	10 Mio.			
Maximum acceleration	50 m/s ²			
Maximum speed	300 m/min			
Diameter	11.6 mm	13.4 mm	14.8 mm	16.7 mm
Outer sheath	PUR Orange RAL 2003			
Insulation	Polyolefin			
Halogen free	yes			
Temperature range, operating	-30 ... 80 °C			
Temperature range, storage	-50 ... 80 °C			
Oil resistance	EN 50363-10-2			
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581			
Rated voltage U0/U	0.6/1 kV			

DSL Cables

	CBM007HD	CBM015HD	CBM025HD	CBM040HD	CBM060HD
	(4G0.75+(2x0.34)H2+(2xAWG26)H2H)H2	(4G1.5+(2x0.75)H2+(2xAWG22)H2H)H2	(4G2.5+(2x1)H2+(2xAWG22)H2H)H2	(4G4+(2x1)H2+(2xAWG22)H2H)H2	(4G6+(2x1)H2+(2xAWG22)H2H)H2
Min bending radius, static	53 mm	66 mm	71.5 mm	80 mm	90.5 mm
Min bending radius, dynamic	74.2 mm	99 mm	107.25 mm	120 mm	135.75 mm
Min bending cycles	5 Mio.				
Maximum acceleration	50 m/s ²	50 m/s ²	50 m/s ²	30 m/s ²	50 m/s ²
Maximum speed	300 m/min				
Diameter	10.6 mm	13.2 mm	14.3 mm	16 mm	18.1 mm
Outer sheath	PUR Orange RAL 2003				
Insulation	Polyolefin				
Halogen free	yes				
Temperature range, operating	-40 ... 80 °C				
Temperature range, storage	-40 ... 80 °C				
Oil resistance	EN 50363-10-2				
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581				
Rated voltage U0/U	0.6/1 kV				
Test voltage	3 kV				

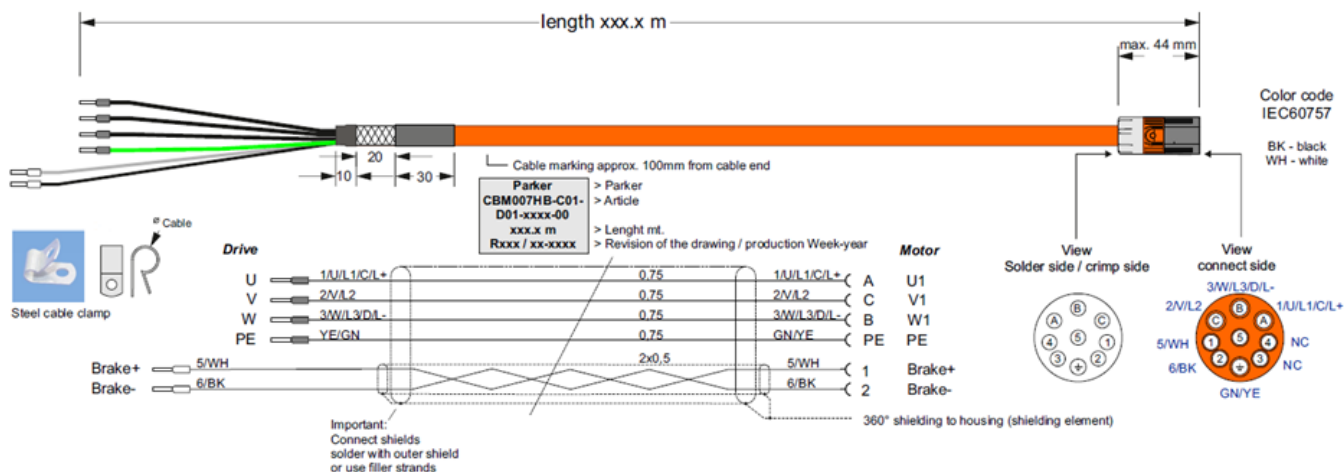
Feedback Cables

	CBFRE0H0
	(3x(2x0.14)C+2x(0.5)C)C
Min bending radius, dynamic	83 mm
Min bending cycles	5 Mio.
Maximum acceleration	20 m/s ²
Maximum speed	240 m/min
Diameter	8.3 mm
Outer sheath	PUR Green RAL 6018
Insulation	TPE-E
Halogen free	yes
Temperature range, operating	-30 ... 80 °C
Temperature range, storage	-40 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581
Rated voltage U0/U	30 V
Test voltage	1.5 kV

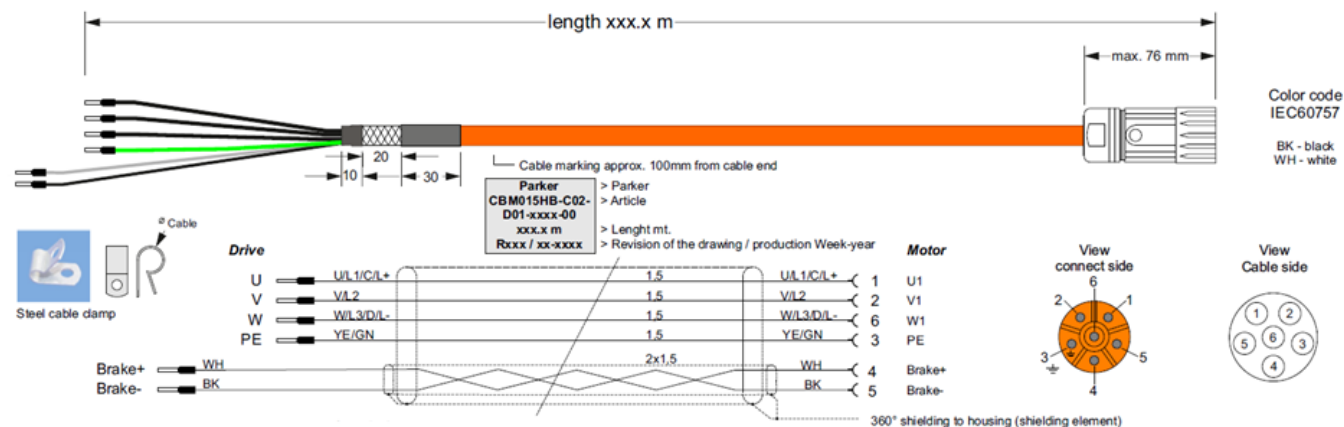
DRAWINGS AND PIN ASSIGNMENT

Motor Power Cables

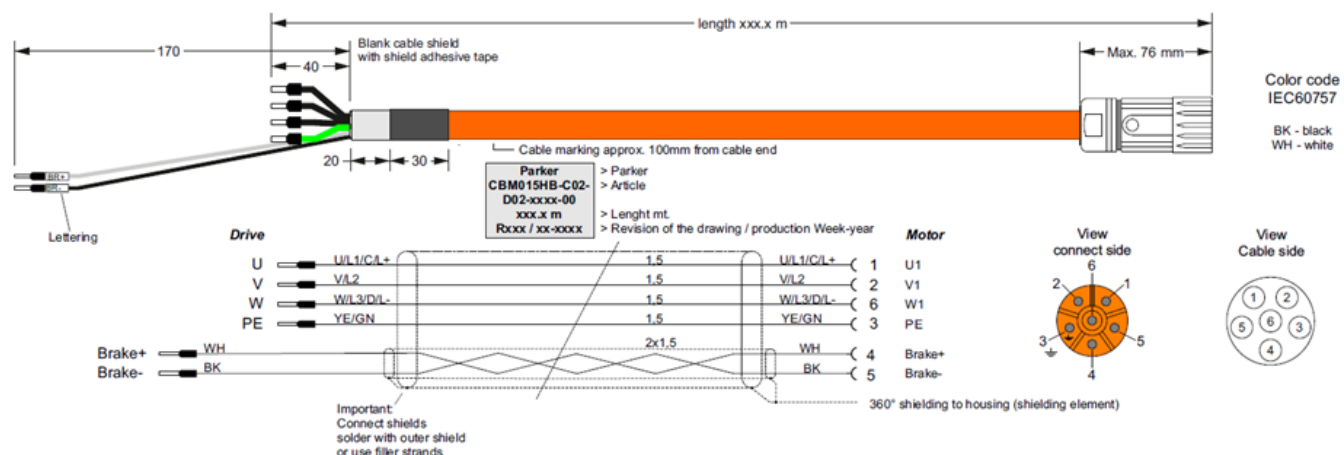
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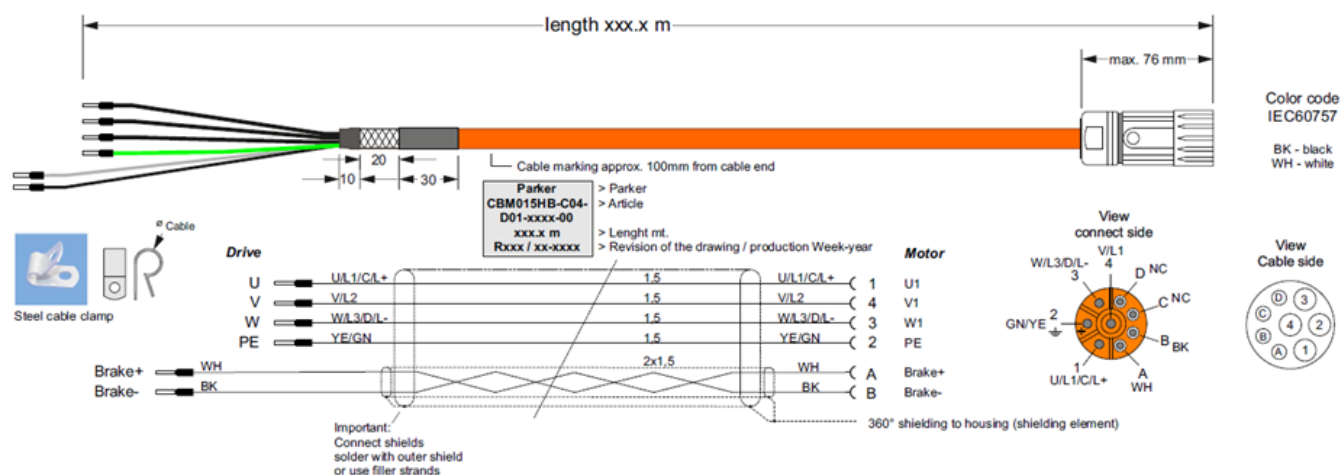
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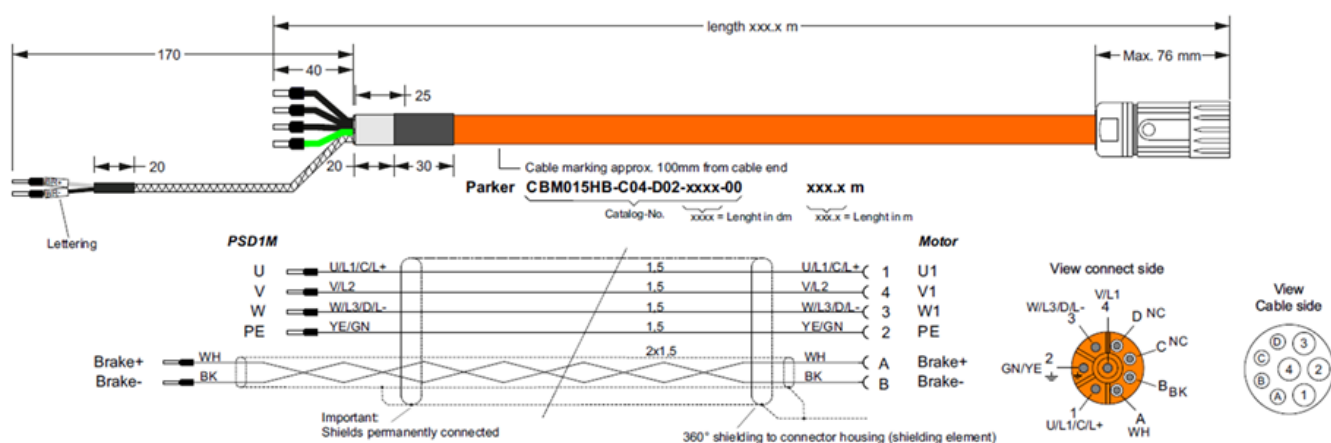
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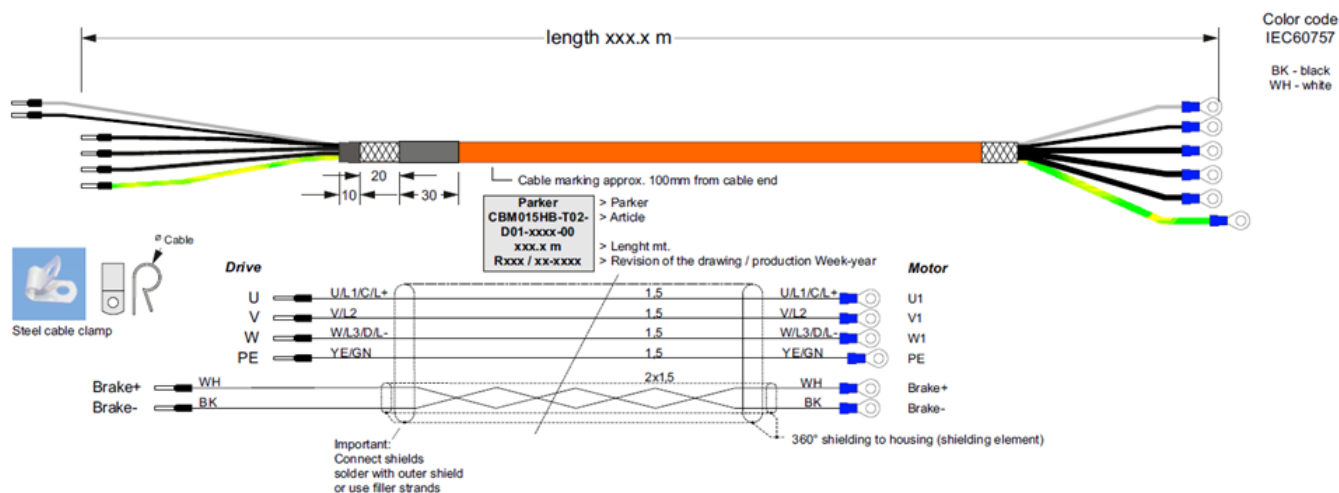
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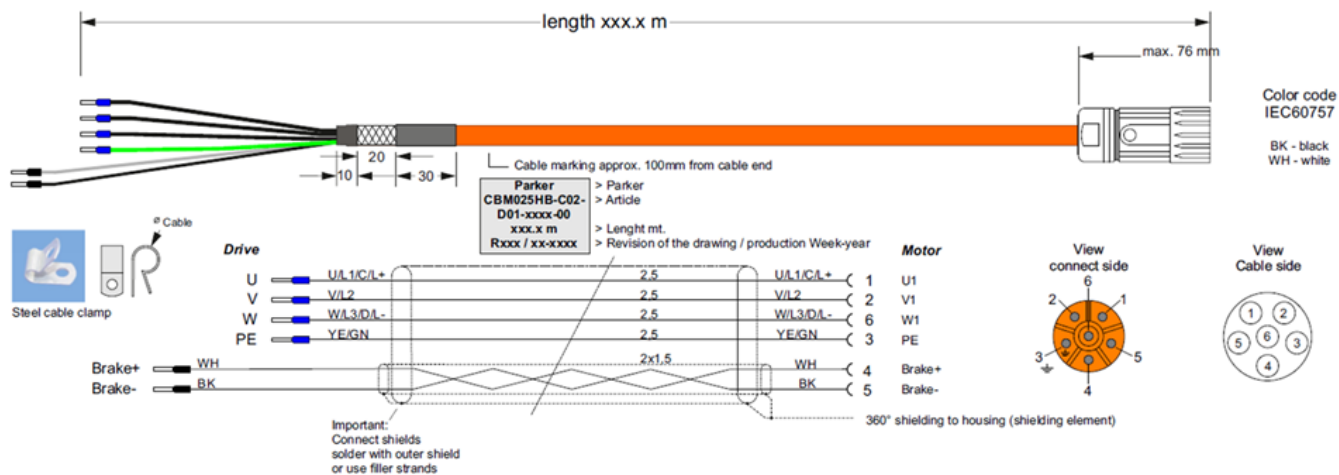
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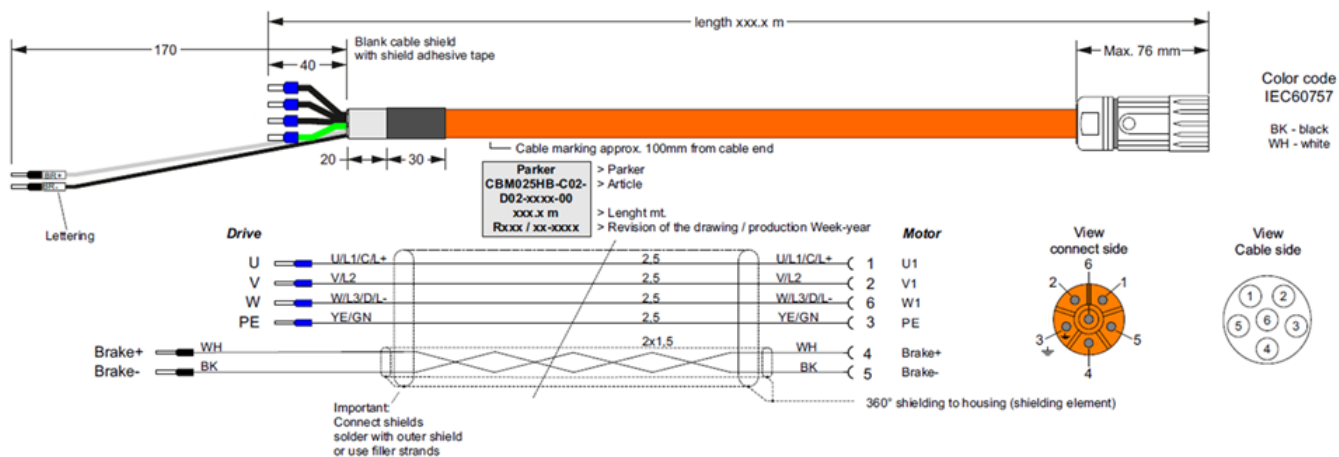
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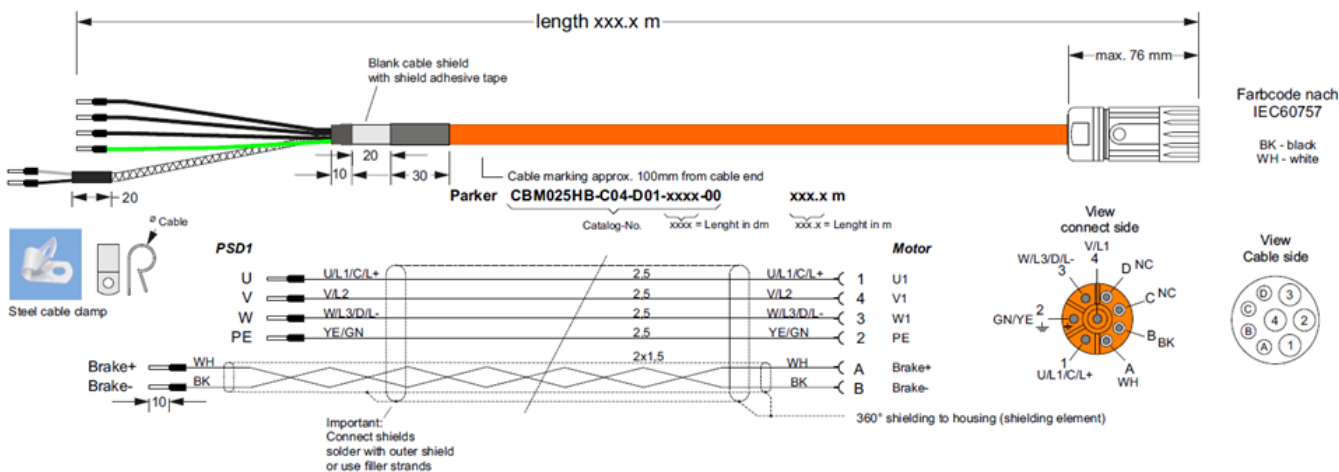
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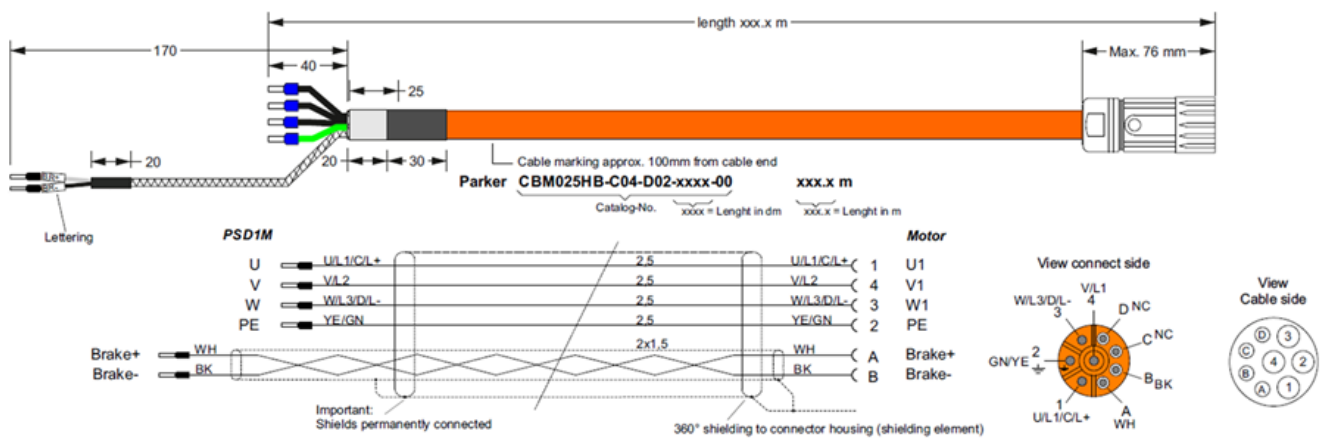
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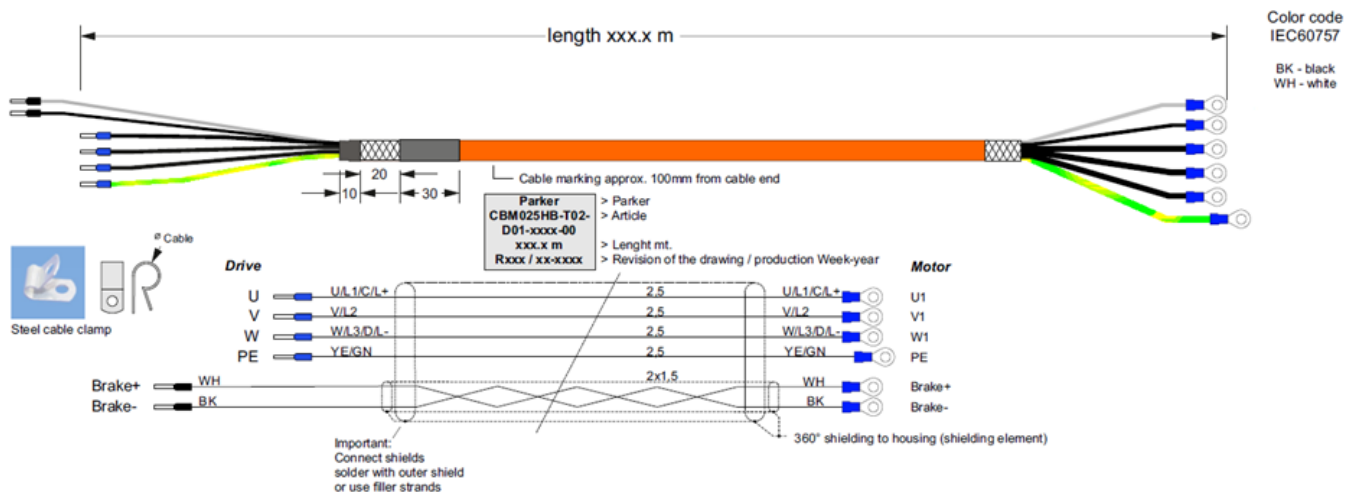
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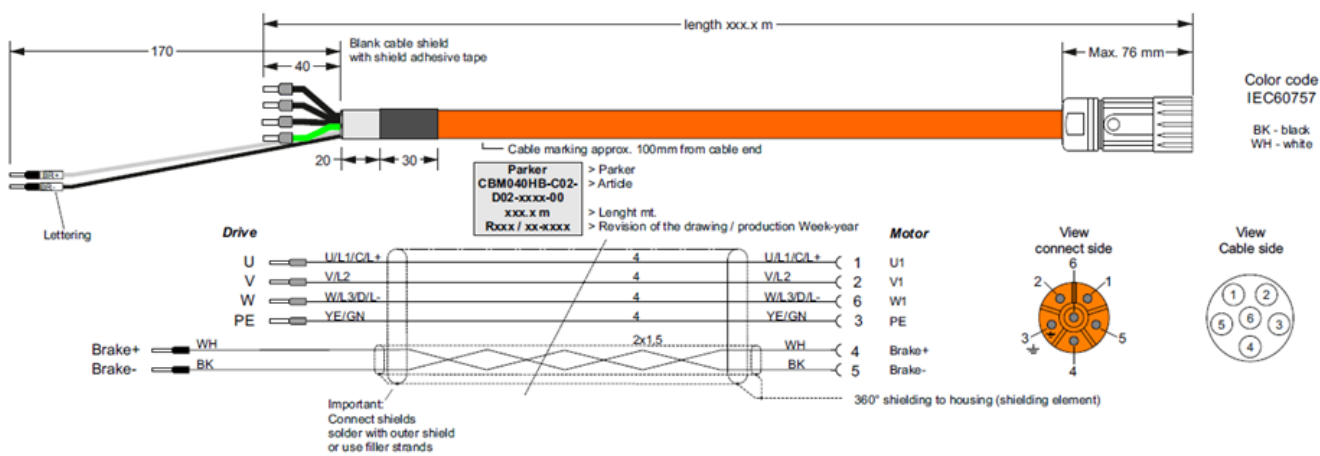
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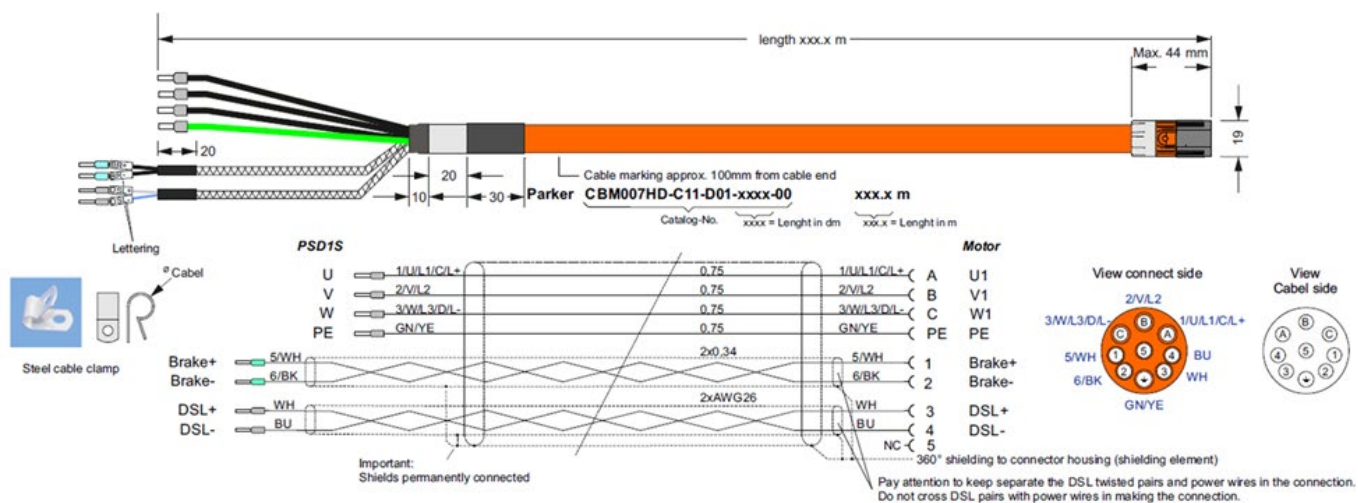


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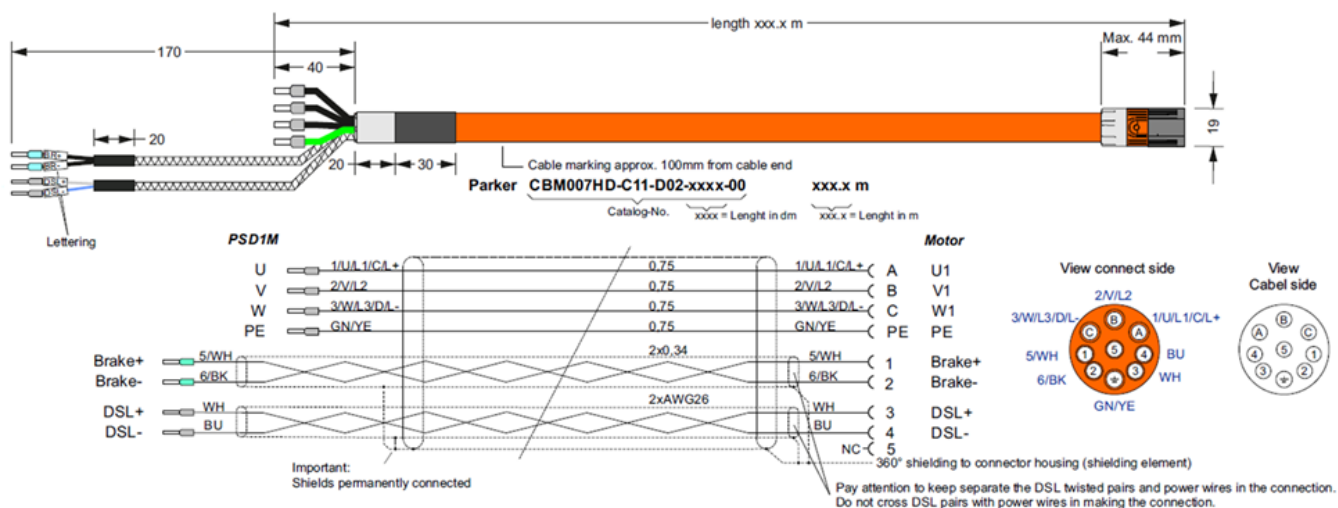


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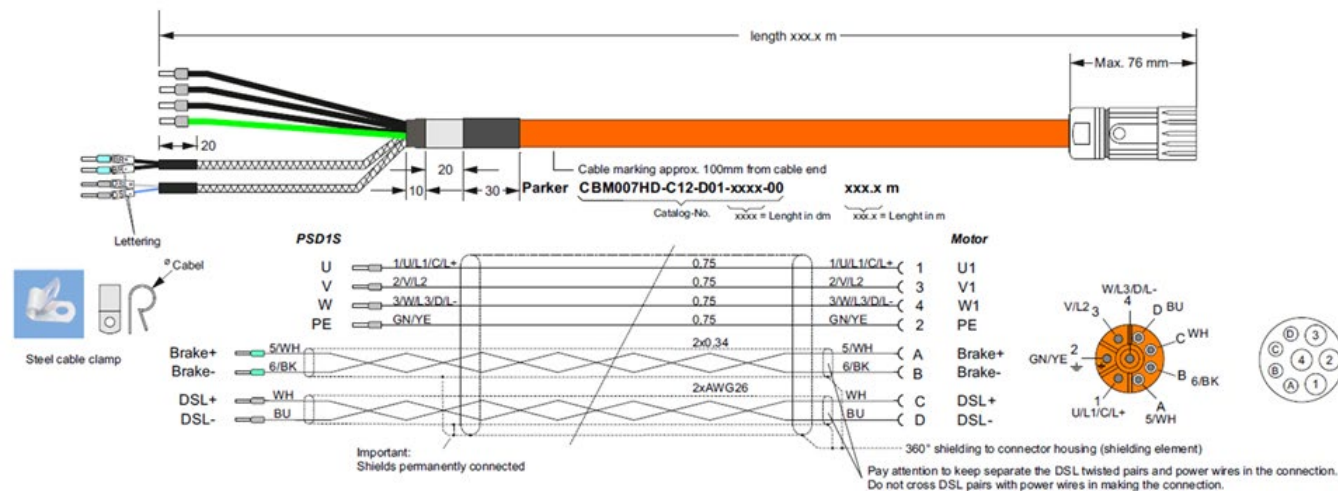
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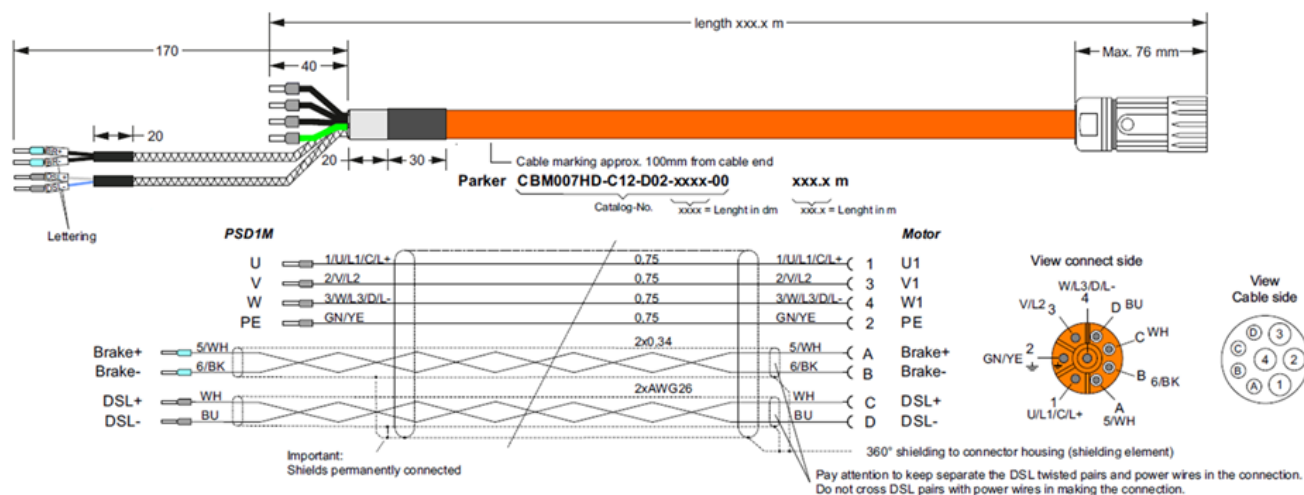
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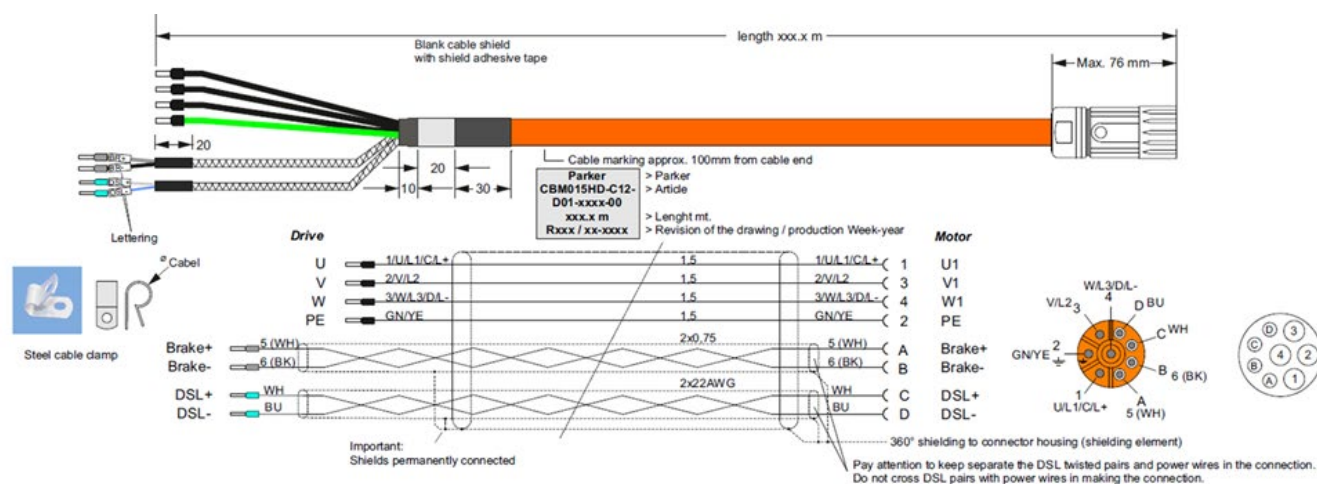
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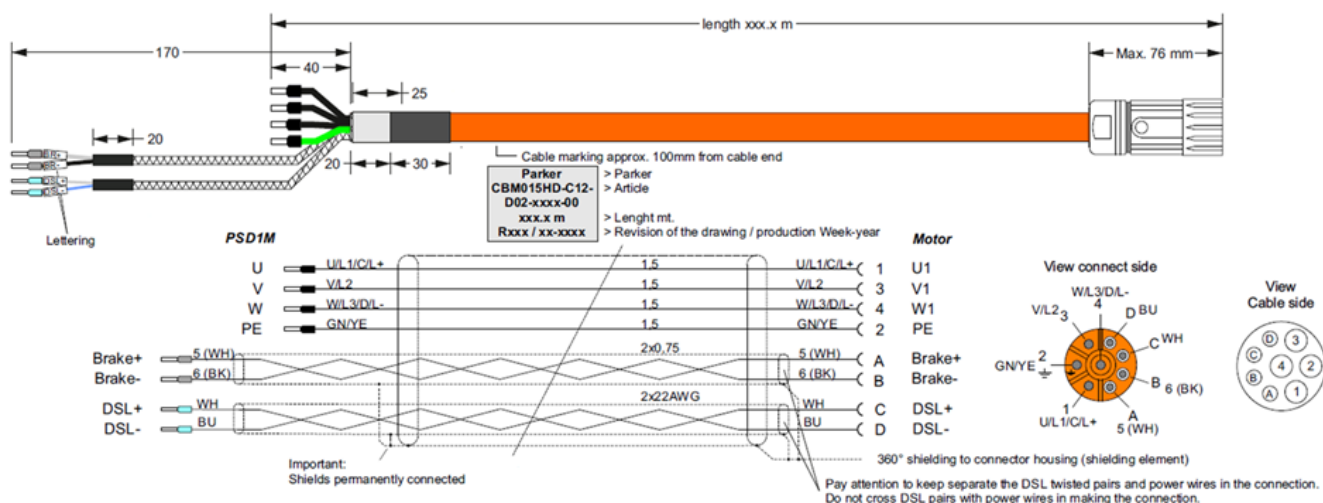
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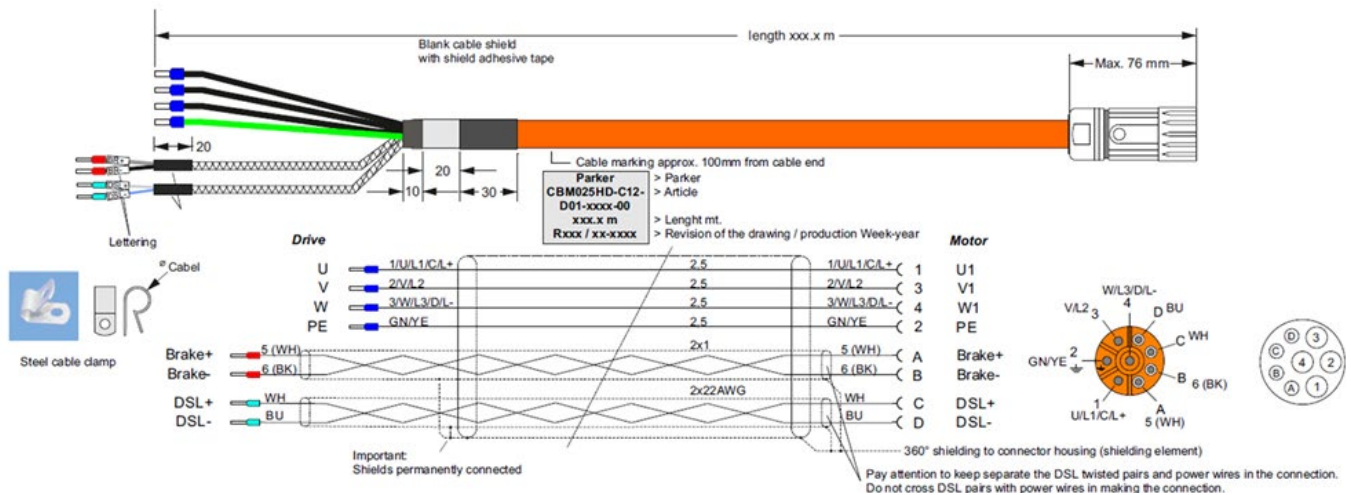
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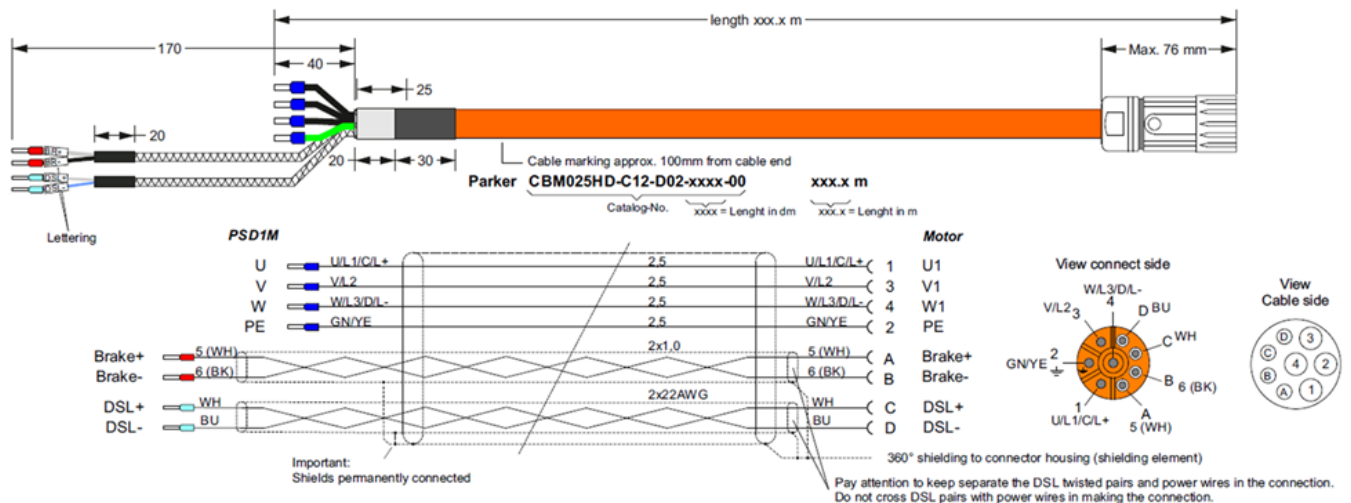
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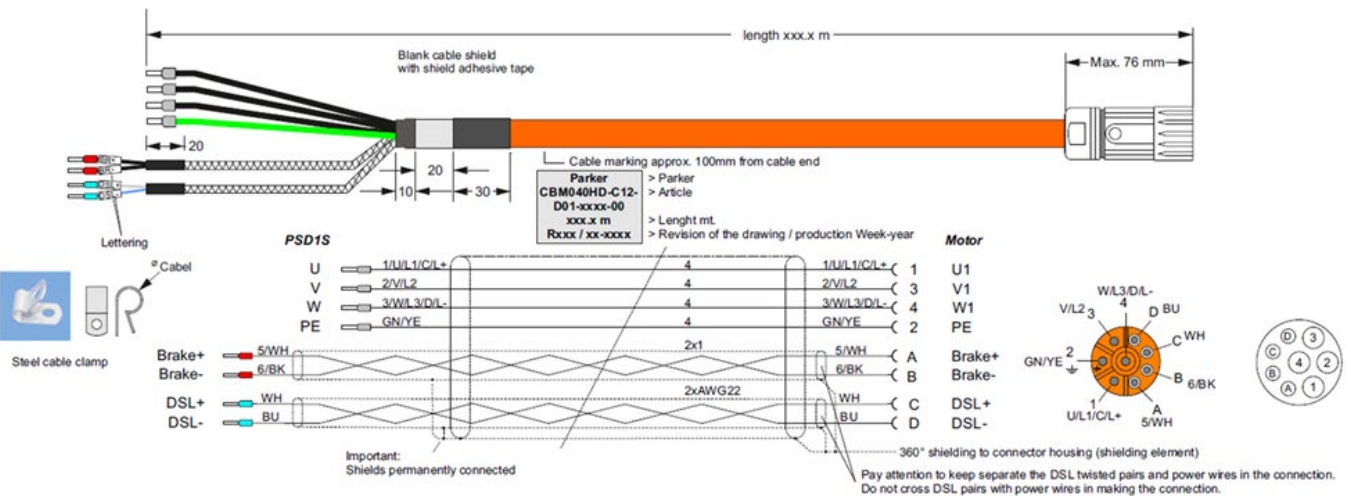
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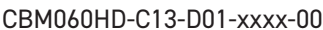
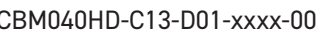
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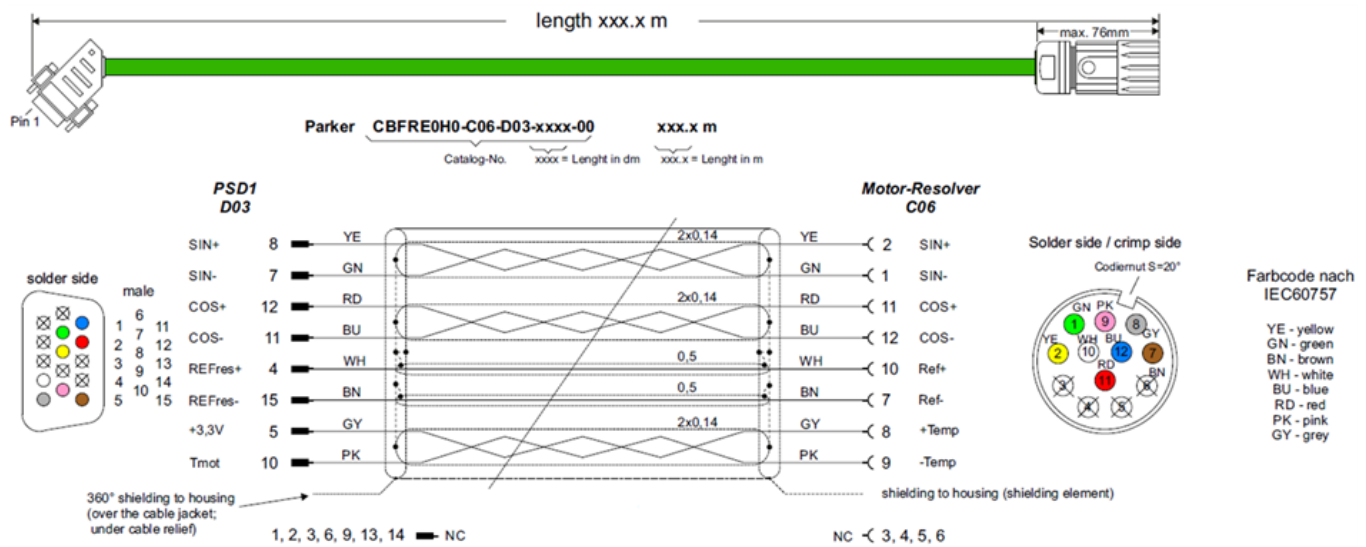


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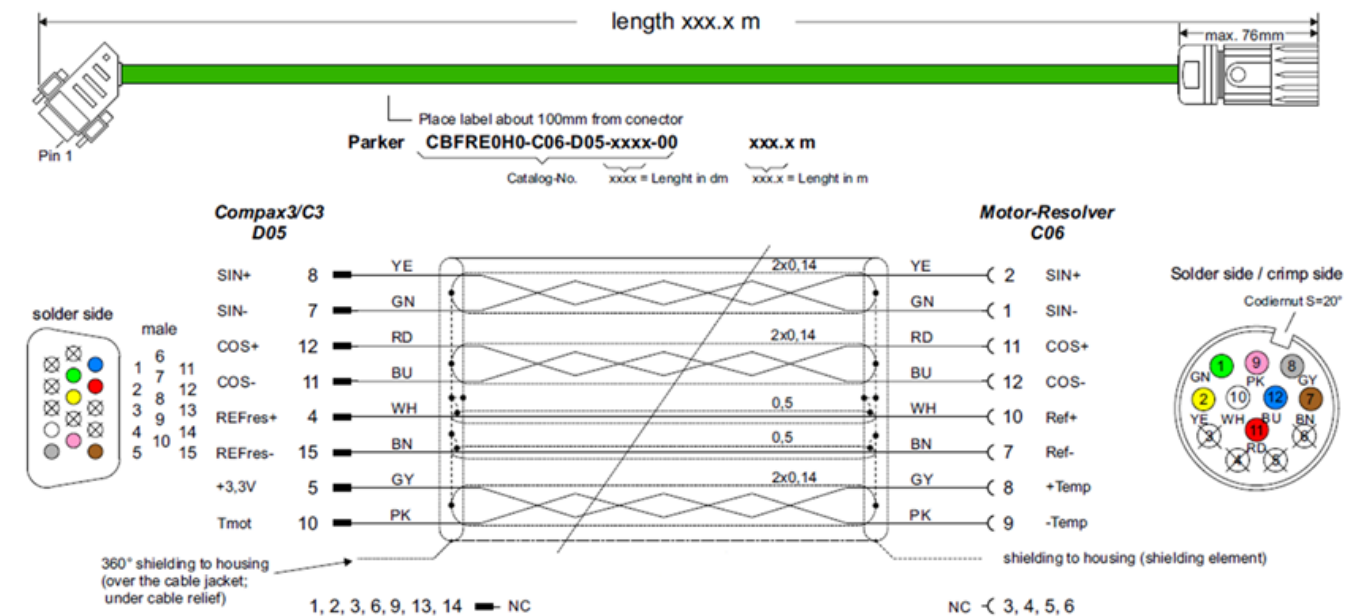


Feedback Cables

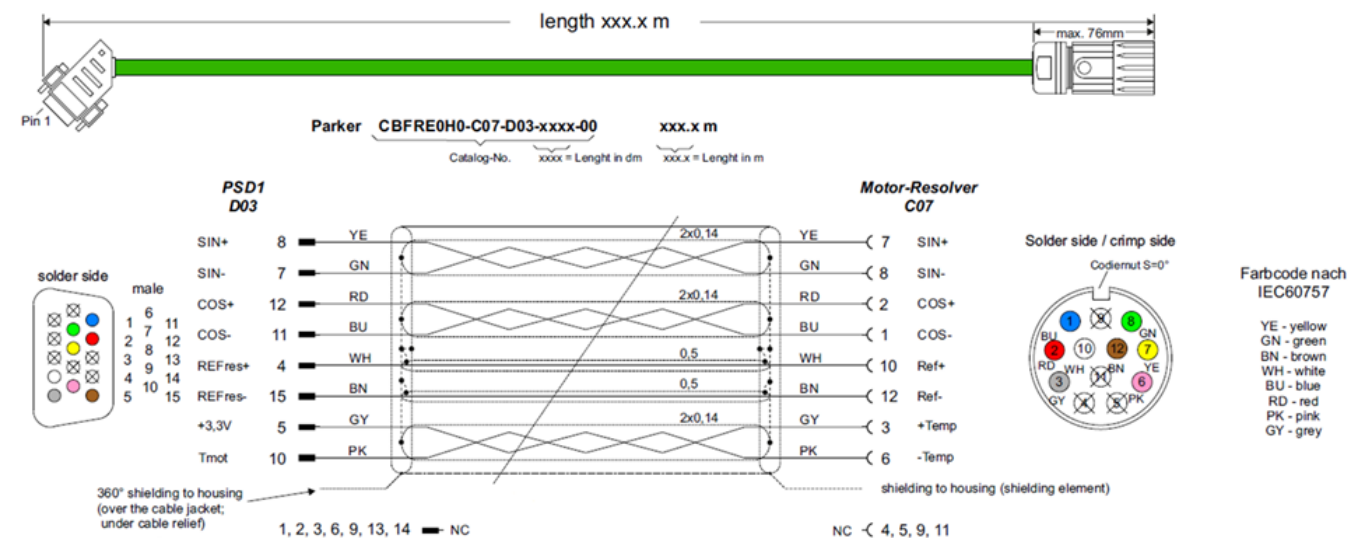
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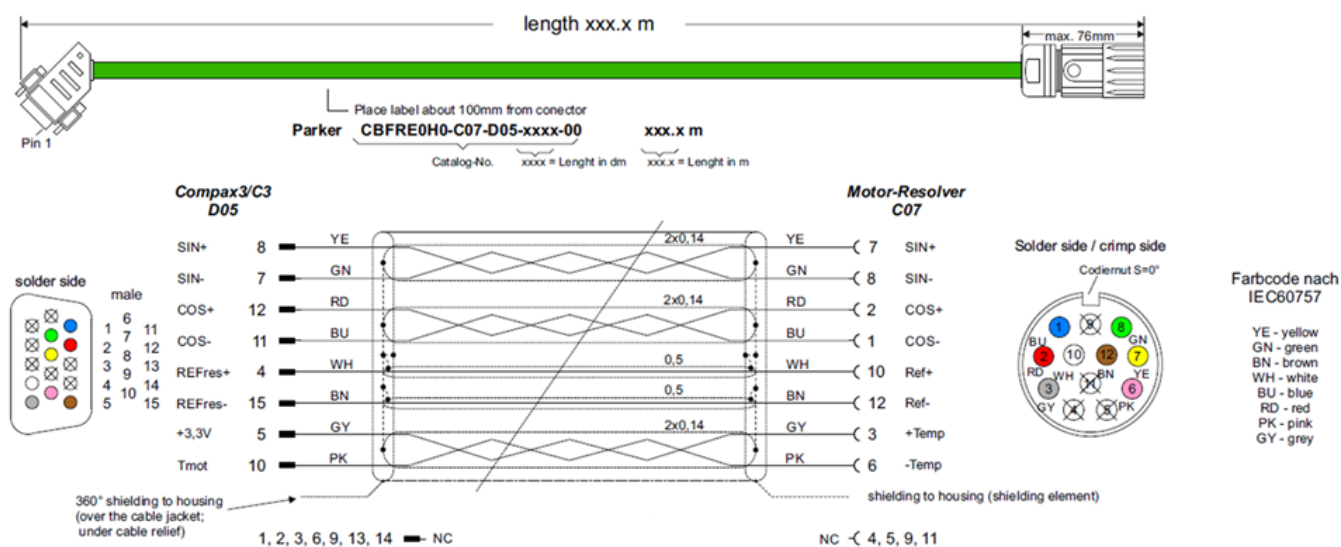
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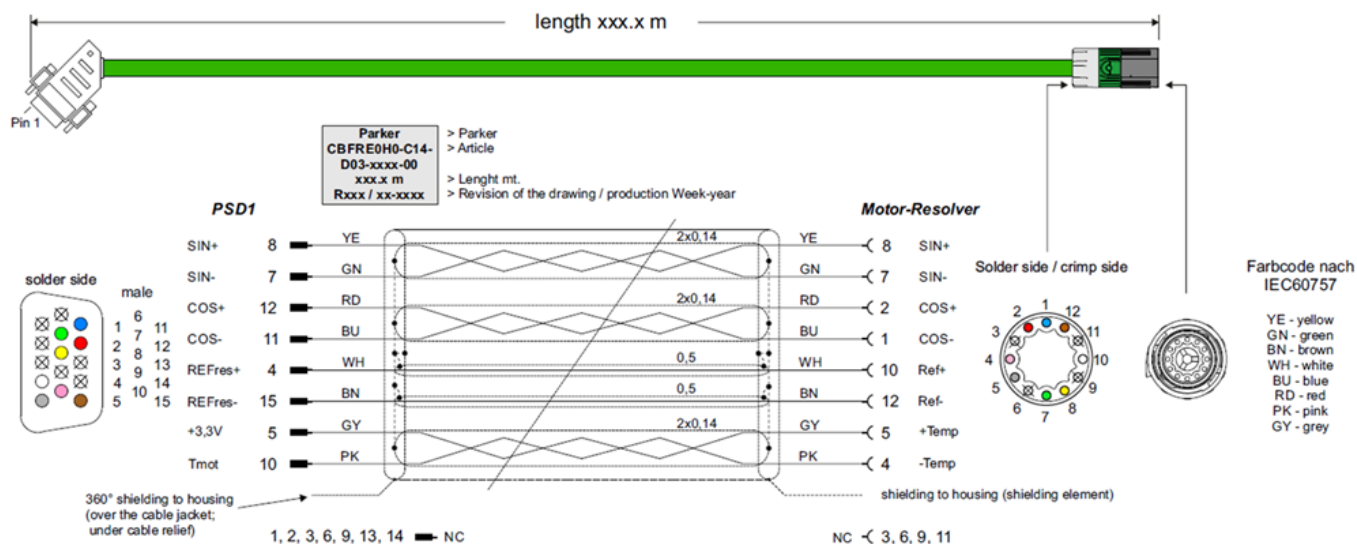
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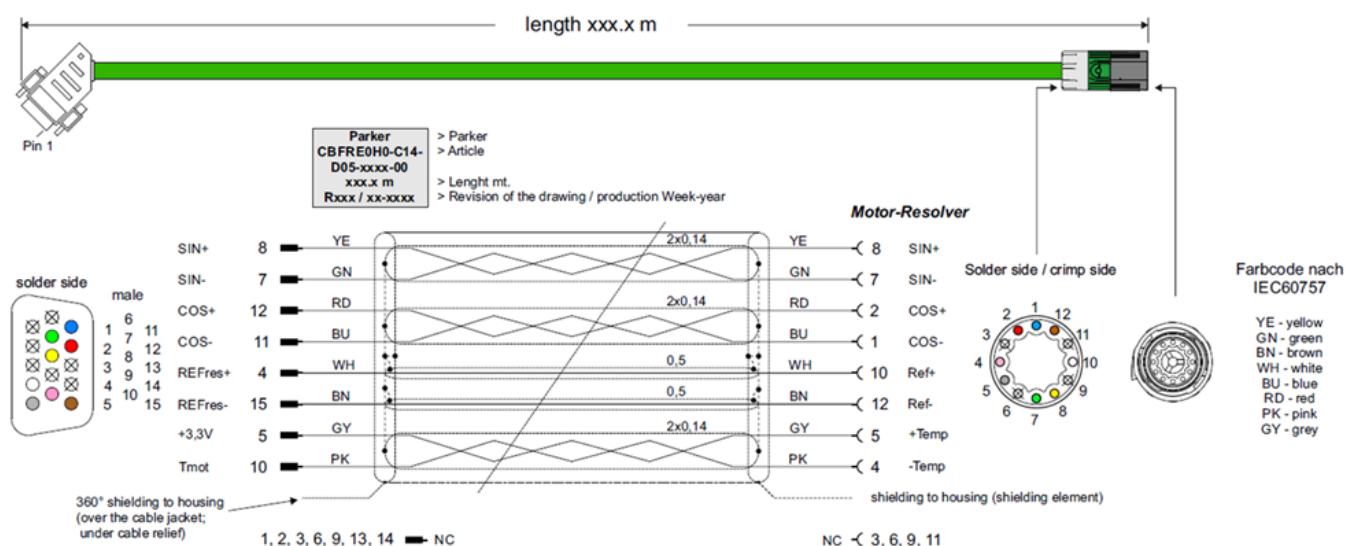
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