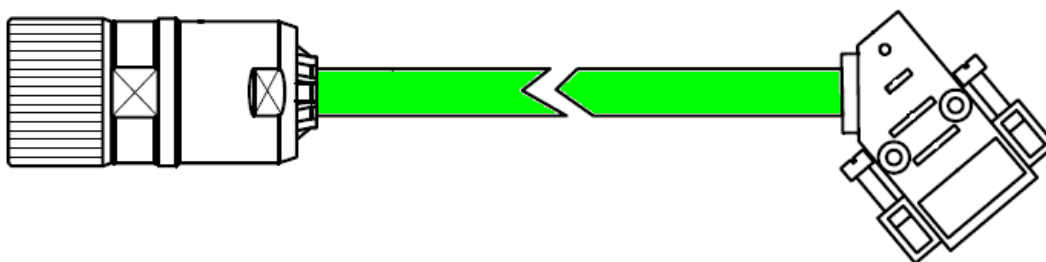


6. PUR PREWIRED CABLES FOR COMPAX3

6.1 CC3UA1F1R00xx - PUR resolver cable for NX motor

This cable is designed to be connected between a brushless motor (type NX-LX-LS-LD-HX-HS-HD with resolver socket, R7xxx motor reference) and a COMPAX3 drive.

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.1.1 Constitution

- 1 Female plug size 1 reference **220132R1621**
- xx meters of PUR resolver cable reference **6537P0047**
- 1 Male 15 pins SUB-D HD connector reference **220029P040**
- 1 SUB-D cover reference **220029P0039**

6.1.2 Arrangement

Female plug pin	identification	Wire colour	15 pins Male SuB-D HD
1	Cosinus - S3	White	11
2	Cosinus + S1	Black / White	12
3	Temp sensor +	Green	5
4			
5			
6	Temp sensor -	Black / Green	10
7	Sinus + S2	Black / Blue	8
8	Sinus - S4	Blue	7
9			
10	Excitation + R1	Red	4
11	Pairs screen	Tinned copper drain	Cover
12	Excitation - R2	Black / Red	15

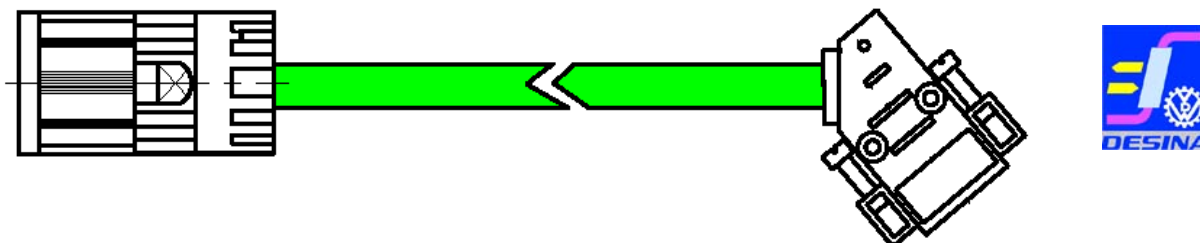
6.1.3 Reference & Cable length

Reference : **CC3UA1F1R00xx**
 xx = cable length in meters (05-10-20-25 ...)

6.2 CC3UA1F4R00xx - PUR resolver cable for NX1 motor

This cable is designed to be connected between a brushless motor type NX1 with resolver socket, R7xxx motor reference) and a COMPAX3 drive.

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.2.1 Constitution

1 Female plug reference **220132R6620**

xx meters of PUR resolver cable reference **6537P0047**

1 Male 15 pins SUB-D HD connector reference **220029P040**

1 SUB-D cover reference **220029P0039**

6.2.2 Arrangement

Female plug pin	identification	Wire colour	15 pins Male SuB-D HD
1	Cosinus - S3	White	11
2	Cosinus + S1	Black / White	12
3	Temp sensor +	Green	5
4			
5			
6	Temp sensor -	Black / Green	10
7	Sinus + S2	Black / Blue	8
8	Sinus - S4	Blue	7
9			
10	Excitation + R1	Red	4
11	Pairs screen	Tinned copper drain	Cover
12	Excitation - R2	Black / Red	15

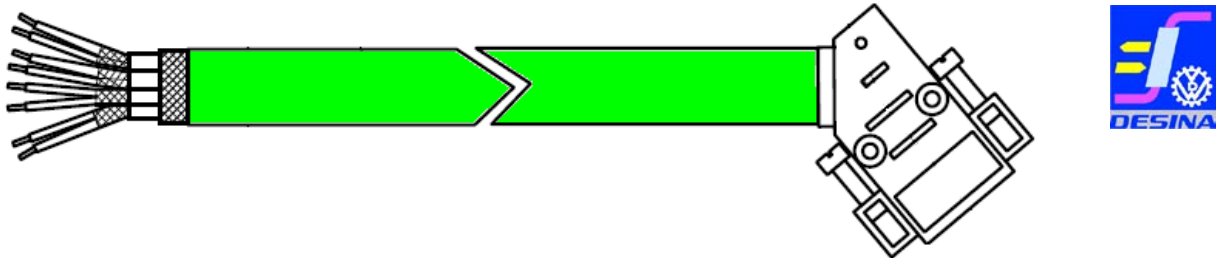
6.2.3 Reference & Cable length

Reference : **CC3UA1F4R00xx**

xx = cable length in meters (05-10-20-25 ...)

6.3 CC3UA1D1R00xx - PUR resolver cable for EX motor

This cable is designed to be connected between a flameproof brushless motor **EX** type with connection on terminals blocks through a cable gland and a **COMPAX3** drive.
The cable outer jacket is in PUR class 6 suitable for high flexible drag chain and high temp (100°C) resistant.



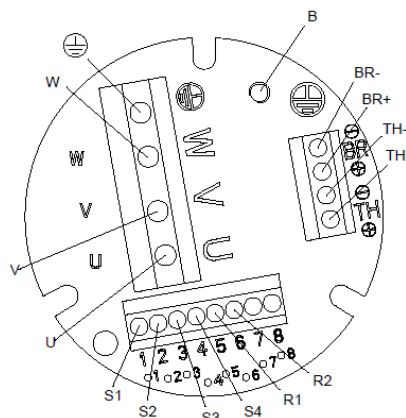
6.3.1 Constitution

xx meters of 100°C PUR resolver cable reference **6537P0059**
1 Male 15 pins SUB-D HD connector reference **220029P040**
1 SUB-D cover reference **220029P0039**

6.3.2 Arrangement

EX Motor terminals	identification	Wire colour	15 pins Male HD SuB-D
1	Cosinus + S1	Black / White	12
2	Sinus + S2	Black / Blue	8
3	Cosinus - S3	White	11
4	Sinus - S4	Blue	7
5	Excitation + R1	Red	4
6	Excitation - R2	Black / Red	15
None	Temp sensor +	Green	5
None	Temp sensor -	Black/Green	10
	Pairs screen	Tinned copper drain	Cover

6.3.3 Motor Terminals

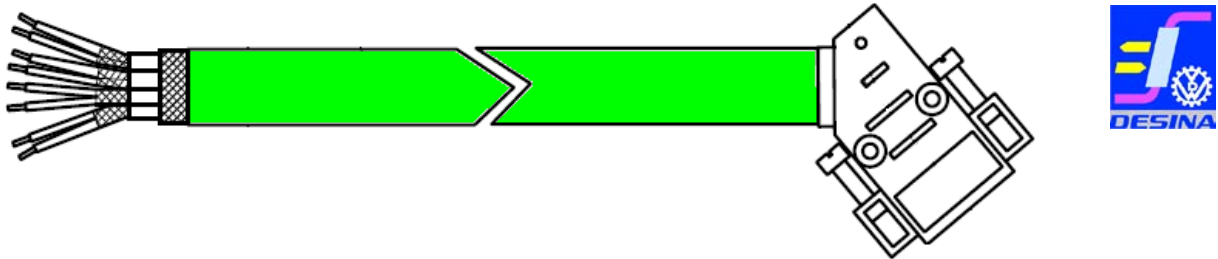


6.3.4 Reference & Cable length

Reference : **CC3UA1D1R00xx**
xx = cable length in meters (05-10-15-20-25 ...)

6.4 CC3UR1D1R00xx - PUR Hiperface cable for EX motor

This cable is designed to be connected between a flameproof brushless motor **EX** type with connection on terminals blocks through a cable gland and a **COMPAX3** drive.
The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



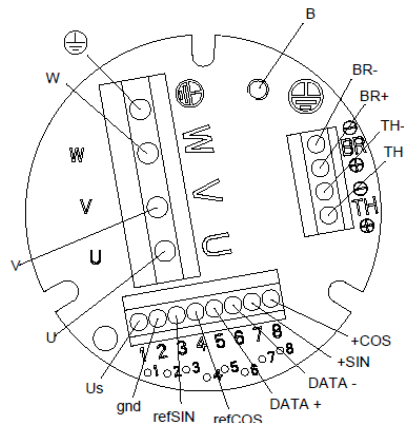
6.4.1 Constitution

xx meters of PUR resolver cable reference **6537P0048**
1 Male 15 pins SUB-D HD connector reference **220029P040**
1 SUB-D cover reference **220029P0039**

6.4.2 Arrangement

EX Motor terminals	identification	Wire colour	15 pins Male HD SuB-D
1	Us	Red	4
2	Gnd	Black (Red-Black pair)	15
3	SIN ref	Black (White-Black pair)	7
4	COS ref	Black (Blue-Black pair)	11
5	Data +	Yellow	13
6	Data -	Black (Yellow-Black pair)	14
7	SIN +	White	8
8	COS +	Blue	12
none	Thermal sensor+	Green	5
none	Thermal sensor -	Black (Green-Black pair)	10
	Pairs screen	Tinned copper drain	Cover

6.4.3 Motor terminals



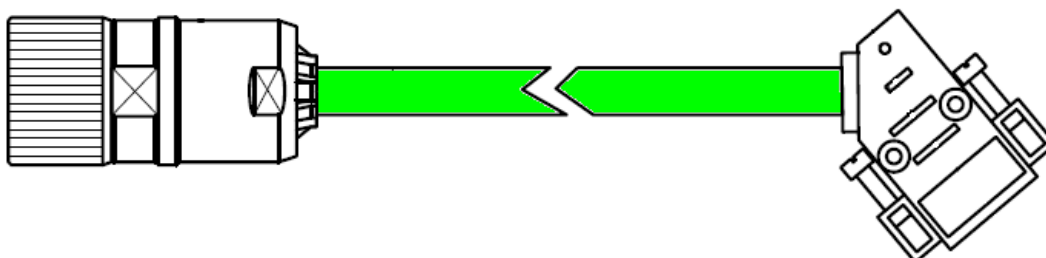
6.4.4 Reference & Cable length

Reference : **CC3UR1D1R00xx**
xx = cable length in meters (05-10-15-20-25 ...)

6.5 CC3UR1F1R00xx - PUR Hiperface cable for NX motor

This cable is designed to be connected between a brushless motor (NX type with Hiperface encoder socket , R7xxx motor P/N) and a COMPAX3 drive.

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.5.1 Constitution

- 1 Female plug size 1 reference **220132R1623**
- xx meters of PUR resolver cable reference **6537P0048**
- 1 Male 15 pins SUB-D HD connector reference **220029P040**
- 1 SUB-D cover reference **220029P0039**

6.5.2 Arrangement

Female plug pin	identification	Wire colour	15 pins Male SuB-D HD
1	SIN+	Blue	8
2	SIN ref	Black / Blue	7
3	COS+	White	12
4	COS ref	Black / White	11
5	Thermal sensor+	Green	5
6	Thermal sensor+	Black / Green	10
7			
8			
9	Data +	Red	13
10	Data -	Black / Red	14
11	Us	Yellow	4
12	Gnd	Black / Yellow	15

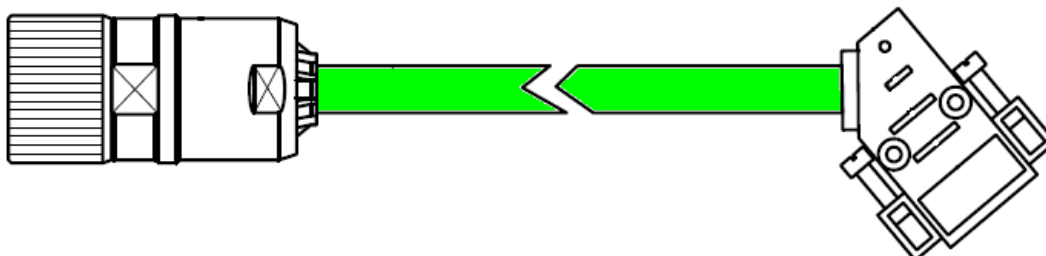
6.5.3 Reference & Cable length

Reference : **CC3UR1F1R00xx**
 xx = cable length in meters (05-10-20-25 ...)

6.6 - CC3UV1F3R00xx - PUR Endat cable for NX motor

This cable is designed to be connected between a brushless motor (NX type with ENDAT encoder socket , R7xxx motor P/N) and a **COMPAX3** drive.

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.6.1 Constitution

- 1 Female plug size 1 (17 pins) reference **220132R1641**
- xx meters of PUR Endat cable reference **6537P0055**
- 1 Male 15 pins SUB-D HD connector reference **220029P040**
- 1 SUB-D cover reference **220029P0039**

6.6.2 Arrangement

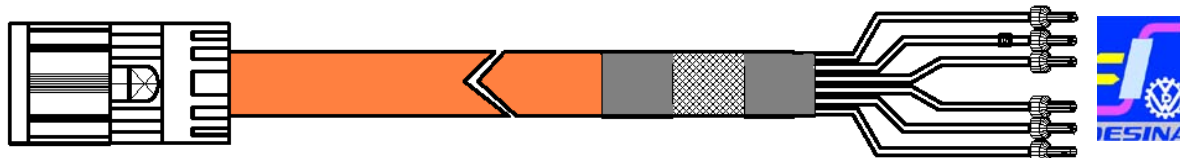
Female plug pin	identification	Wire colour	15 pins Male SuB-D HD
1			
2			
3			
4			
5			
6			
7	UP (5V)	Brown	4
8	Clock	Grey	6
9	/Clock	Pink	9
10	OV	White	15
11			
12	B+	Green	12
13	B-	Yellow	11
14	Data	Blue	13
15	A+	Violet	8
16	A-	Black	7
17	/Data	Red	14

6.6.3 Reference & Cable length

Reference : **CC3UV1F3R00xx**
 xx = cable length in meters (05-10-20-25 ...)

6.7 CC3UP0F4R00xx - PUR shielded power cable 1mm²

This cable is designed to be connected between a brushless motor type NX1 with power socket, (R7xxxx motor reference) and a **COMPAX3** drive.
 The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.7.1 Constitution

1 Female power plug size 1 reference **220065R6610**
 xx meters of PUR shielded power cable 1 mm² reference **6537P0054**

6.7.2 Arrangement

Female plug pin	identification	Wire colour	Drive terminal blocks
A	Phase U	Black 1	M1
B	Phase V	Black 2	M2
C	Phase W	Black 3	M3
5	Earth	Yellow/Green	Earth
1	Brake +	White +	Brake +
2	Brake -	Black -	Brake -
3	NC		
4	NC		

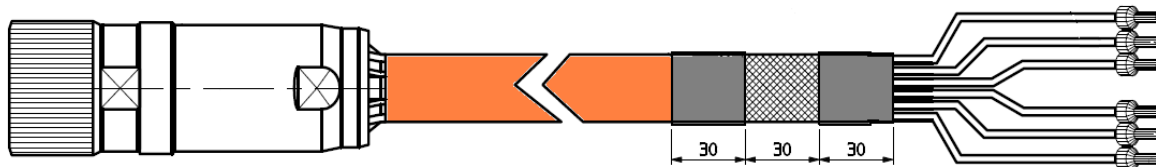
6.7.3 Reference & Cable length

Reference : **CC3UP0F4R00xx**
 xx = cable length in meters



6.8 CC3UP1F1R00xx - PUR shielded power cable 1.5mm²

This cable is designed to be connected between a brushless motor (type NX with size 1 power socket, R7xxxx motor reference) and a **COMPAX3** drive.
 The cable outer jacket is in PUR class 6 suitable for high flexible drag chain.



6.8.1 Constitution

1 Female power plug size 1 reference **220065R1610**
 xx meters of PUR shielded power cable 1.5 mm² reference **6537P0049**

6.8.2 Arrangement

Female plug pin	identification	Wire colour	Drive terminal blocks
1	Phase U	Black 1	M1
4	Phase V	Black 2	M2
3	Phase W	Black 3	M3
2	Earth	Yellow/Green	Earth
A	Brake +	White +	Brake +
B	Brake -	Black -	Brake -
C	NC		
D	NC		

6.8.3 Reference & Cable length

Reference : **CC3UP1F1R00xx**
 xx = cable length in meters

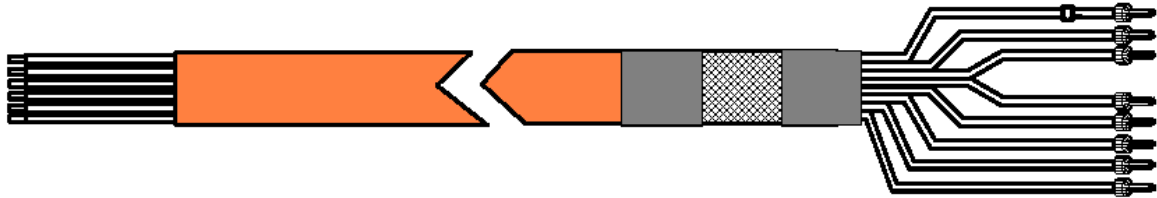


6.9 CC3UQ1D1R00xx - PUR shielded power cable 1.5mm²

This cable is designed to be connected between a flameproof brushless motor EX type with connection on terminals blocks through a cable gland and a COMPAX3 drive.

Maximum current : 15 Amp RMS

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain and high temp. (100°C) resistant.



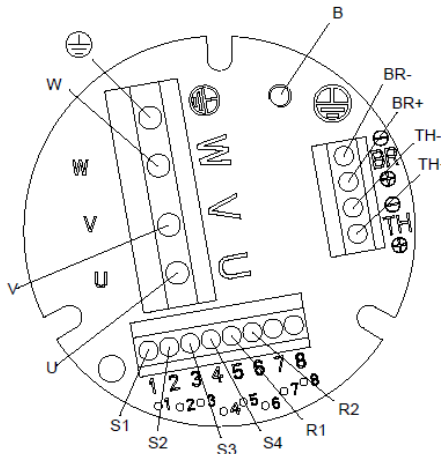
6.9.1 Constitution

xx meters of 100°C PUR shielded power cable 1.5 mm² reference 6537P0057

6.9.2 Arrangement

Motor terminal blocks	identification	Wire colour	Drive terminal blocks	
U	Phase U	Black 1	M1	
V	Phase V	Black 2	M2	
W	Phase W	Black 3	M3	
earth	Earth	Yellow/Green	earth	
BR+	Brake +	Black 5	Brake +	
BR-	Brake -	Black 6	Brake -	
TH+	Thermoswitch	Black 7		Main contactor
TH-	Thermoswitch	Black 8		Main contactor

6.9.3 Motor Terminals



6.9.4 Reference & Cable length

Reference : CC3UQ1D1R00xx

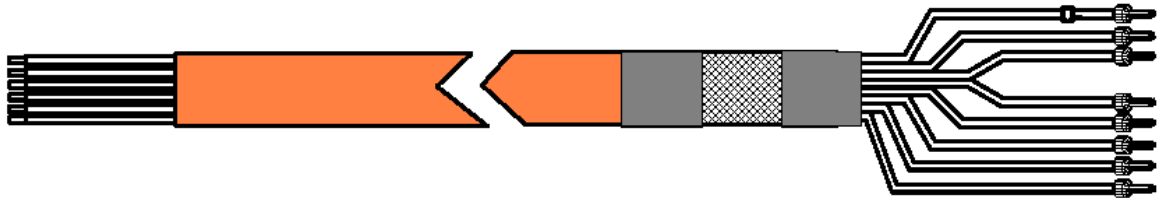
xx = cable length in meters(05-10-20-25 ...)

6.10 PUR shielded power cable 2.5mm² – CC3UQ2D1R00xx

This cable is designed to be connected between a flameproof brushless motor EX type with connection on terminals blocks through a cable gland and a COMPAX3 drive.

Maximum current : 21 Amp RMS

The cable outer jacket is in PUR class 6 suitable for high flexible drag chain and high temp. (100°C) resistant.



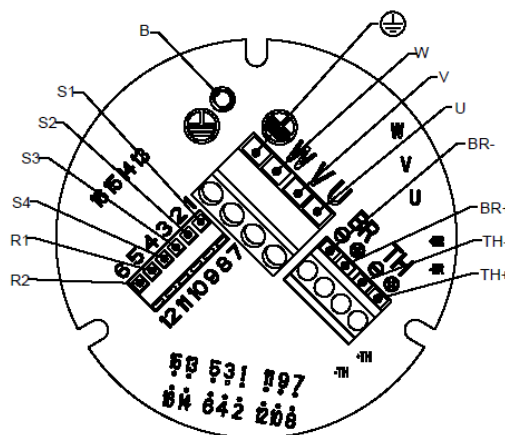
6.10.1 Constitution

xx meters of 100°C PUR shielded power cable 2.5 mm² reference 6537P0058

6.10.2 Arrangement

Motor terminal blocks	identification	Wire colour	Drive terminal blocks	
U	Phase U	Black 1	M1	
V	Phase V	Black 2	M2	
W	Phase W	Black 3	M3	
earth	Earth	Yellow/Green	earth	
BR+	Brake +	Black 5	Brake +	
BR-	Brake -	Black 6	Brake -	
TH+	Thermoswitch	Black 7		Main contactor
TH-	Thermoswitch	Black 8		Main contactor

6.10.3 Motor Terminals



6.10.4 Reference & Cable length

Reference : CC3UQ2D1R00xx

xx = cable length in meters(05-10-20-25 ...)