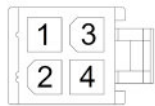


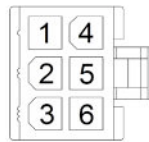
# WIRING MOTOR CONNECTIONS

## POWER CONNECTION

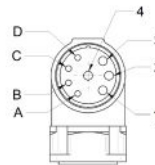
| Function  | D0    | D0 + Brake | C2    | C3    |
|-----------|-------|------------|-------|-------|
| U         | PIN 1 | PIN 1      | PIN 1 | PIN E |
| V         | 2     | 2          | 4     | G     |
| W         | 3     | 4          | 3     | B     |
| PE        | 4     | 5          | 2     | D     |
| BRAKE_24V | -     | 3          | A     | F     |
| BRAKE_0V  | -     | 6          | B     | A     |



[D0]



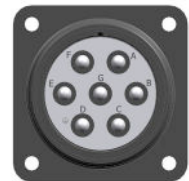
[D0 + Brake]



[C2]



[C3 for mod. TC-E 100 and 130]



[C3 for mod. TC-E 180]

# WIRING MOTOR CONNECTIONS

## E1 FEEDBACK CONNECTION

### D0 connection

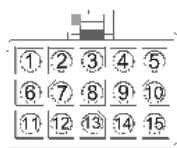
| Function | PIN |
|----------|-----|
| A        | 1   |
| A/       | 2   |
| B        | 3   |
| B/       | 4   |
| Z        | 5   |
| Z/       | 6   |
| HALL U   | 7   |
| HALL U/  | 8   |
| HALL V   | 9   |
| HALL V/  | 10  |
| HALL W   | 11  |
| HALL W/  | 12  |
| +5V      | 13  |
| 0V       | 14  |
| SHIELD   | 15  |

### C2 connection

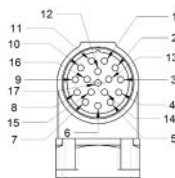
| Function | PIN |
|----------|-----|
| HALL W   | 1   |
| HALL U   | 2   |
| 0V       | 3   |
| +5 Vdc   | 4   |
| Ch /A    | 5   |
| Ch A     | 6   |
| Ch /z    | 7   |
| Ch z     | 8   |
| HALL V   | 9   |
| SHIELD   | 10  |
| Ch /B    | 11  |
| Ch B     | 12  |
| HALL /W  | 13  |
| HALL /V  | 14  |
| HALL /U  | 15  |

### C3 connection

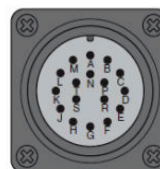
| Function | PIN |
|----------|-----|
| A        | A   |
| A/       | B   |
| B        | C   |
| B/       | D   |
| Z        | E   |
| Z/       | F   |
| HALL U   | G   |
| HALL U/  | H   |
| HALL V   | J   |
| HALL /V  | K   |
| HALL W   | L   |
| HALL /W  | M   |
| +5 Vdc   | N   |
| GND      | P   |
| SHIELD   | R   |



[D0]



[C2]



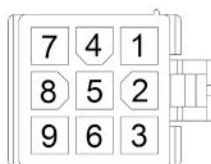
[C3]

# WIRING MOTOR CONNECTIONS

## A1 FEEDBACK CONNECTION

### D0 connection

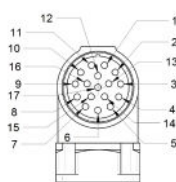
| Function | PIN |
|----------|-----|
| DATA +   | 1   |
| + SIN    | 2   |
| REFSIN   | 3   |
| DATA -   | 4   |
| + COS    | 5   |
| REFCOS   | 6   |
| 8V/ Us   | 7   |
| GND      | 8   |
| SHIELD   | 9   |



[D0]

### C2 connection

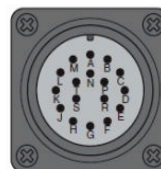
| Function            | PIN |
|---------------------|-----|
| GND                 | 3   |
| Us (+7Vdc ÷ +12Vdc) | 4   |
| REFSIN              | 5   |
| + SIN               | 6   |
| DATA -              | 7   |
| DATA +              | 8   |
| SHIELD              | 10  |
| REFCOS              | 11  |
| + COS               | 12  |



[C2]

### C3 connection

| Function | PIN |
|----------|-----|
| 8V/ Us   | A   |
| + SIN    | B   |
| REFSIN   | C   |
| + COS    | D   |
| REFCOS   | E   |
| GND      | F   |
| DATA -   | G   |
| DATA -   | H   |
| SHIELD   | J   |



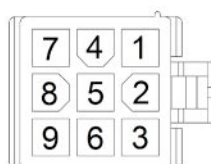
[C3]

## A2 FEEDBACK CONNECTION

### Function

### D0 connection

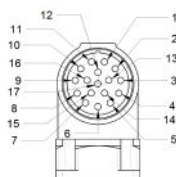
| Function           | PIN |
|--------------------|-----|
| DATA +             | 1   |
| DATA -             | 4   |
| -                  | 2   |
| -                  | 3   |
| -                  | 5   |
| -                  | 6   |
| DC +5V (BATTERY +) | 7   |
| GND (BATTERY -)    | 8   |
| SHIELD             | 9   |



[D0]

### C2 connection

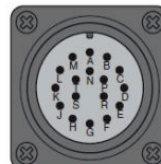
| PIN |
|-----|
| 6   |
| 5   |
| -   |
| -   |
| -   |
| -   |
| 4   |
| 3   |
| 10  |



[C2]

### C3 connection

| PIN |
|-----|
| A   |
| B   |
| C   |
| D   |
| F   |
| G   |
| S   |
| R   |
| L   |



[C3]

SEE IT BEFORE IT HAPPENS

**MOTOR  
POWER**  
COMPANY

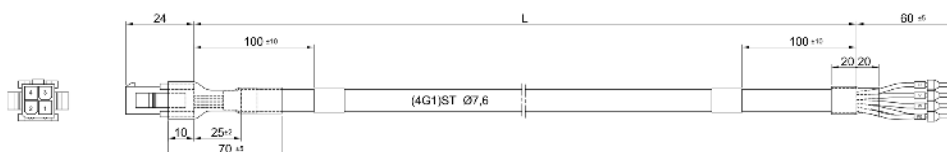
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

## POWER CABLES for models TC-E 40-60-80 without holding brake for D0 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black 1           | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black 2           | 3000            | 003108015156 |
| 7              | FASE W   | Black 3           | 5000            | 003108015157 |
| 8              | PE       | Yellow-Green      | 10000           | 003108015155 |

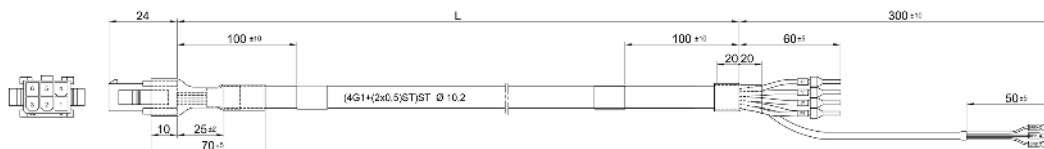
Power free wire cable for FLEXI-PRO and general purpose



## POWER CABLES for models TC-E 40-60-80 with holding brake for D0 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black 1           | Lenght (mm)     | Order code   |
| 2              | FASE V   | Black 2           | 3000            | 003108015159 |
| 4              | FASE W   | Black 3           | 5000            | 003108015160 |
| 5              | PE       | Yellow-Green      | 10000           | 003108015158 |
| 3              | BRAKE 1  | Brown             |                 |              |
| 6              | BRAKE 2  | White             |                 |              |

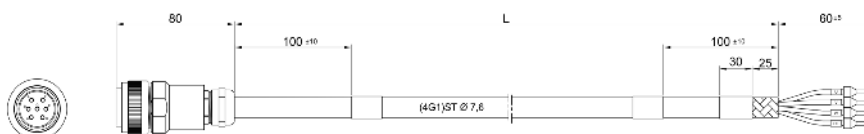
Power free wire cable for FLEXI-PRO and general purpose



## POWER CABLES for models TC-E 100 4A - 130 5A - 130 5B - 130 5C - 130 5D - 130 5E - 130 5F - 130 5G without holding brake for C3 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 3000            | 003108015244 |
| B              | FASE W   | Red               | 5000            | 003108015245 |
| D              | PE       | Yellow-Green      | 10000           | 003108015246 |

Power free wire cable for FLEXI-PRO and general purpose



SEE IT BEFORE IT HAPPENS

**MOTOR  
POWER**  
COMPANY

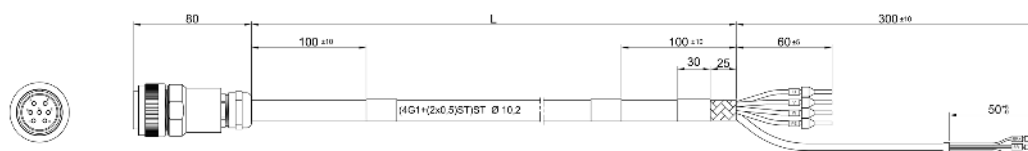
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

**POWER CABLES for models TC-E 100 4A - 130 5A - 130 5B - 130 5C - 130 5D - 130 5E - 130 5F - 130 5G with holding brake for C3 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 3000            | 003108015247 |
| B              | FASE W   | Red               | 5000            | 003108015248 |
| D              | PE       | Yellow-Green      | 10000           | 003108015249 |
| F              | BK +     | Red               |                 |              |
| A              | BK -     | Black             |                 |              |

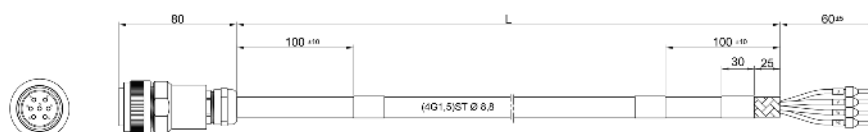
Power free wire cable for FLEXI-PRO and general purpose



**POWER CABLES for models TC-E 100 4B - 130 5H without holding brake for C3 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 1500            | 003108015164 |
| B              | FASE W   | Red               | 3000            | 003108015165 |
| D              | PE       | Yellow-Green      | 5000            | 003108015166 |
|                |          |                   | 10000           | 003108015228 |

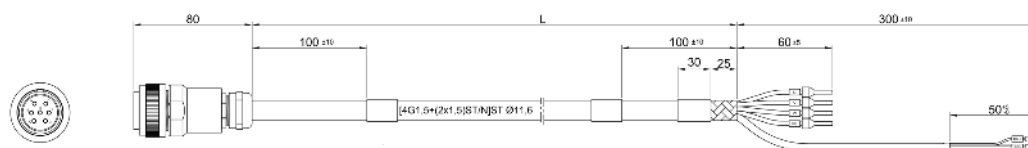
Power free wire cable for FLEXI-PRO and general purpose



**POWER CABLES for models TC-E 100 4B - 130 5H with holding brake for C3 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 3000            | 003108015168 |
| B              | FASE W   | Red               | 5000            | 003108015169 |
| D              | PE       | Yellow-Green      | 10000           | 003108015167 |
| F              | BK +     | Red               |                 |              |
| A              | BK -     | Black             |                 |              |

Power free wire cable for FLEXI-PRO and general purpose



SEE IT BEFORE IT HAPPENS

**MOTOR  
POWER**  
COMPANY

## CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

### POWER CABLES for models TC-E 180 6A - 180 6B - 180 6C - 180 6D without holding brake for C3 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black 1           | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black 2           | 3000            | 003108015177 |
| 7              | FASE W   | Black 3           | 5000            | 003108015178 |
| 8              | PE       | Yellow-Green      | 10000           | 003108015176 |

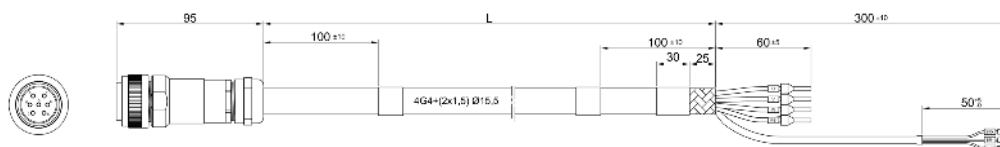
Power free wire cable for FLEXI-PRO and general purpose



### POWER CABLES for models TC-E 180 6A - 180 6B - 180 6C - 180 6D with holding brake for C3 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 3000            | 003108015180 |
| B              | FASE W   | Red               | 5000            | 003108015181 |
| D              | PE       | Yellow-Green      | 10000           | 003108015179 |
| F              | BK +     | Red               |                 |              |
| A              | BK -     | Black             |                 |              |

Power free wire cable for FLEXI-PRO and general purpose



SEE IT BEFORE IT HAPPENS

**MOTOR  
POWER**  
COMPANY

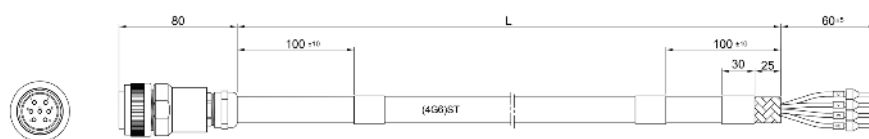
## CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

### POWER CABLES for models TC-E 180 6E - 180 6F - 180 6G without holding brake for C3 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black 1           | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black 2           | 3000            | 003108015183 |
| 7              | FASE W   | Black 3           | 5000            | 003108015184 |
| 8              | PE       | Yellow-Green      | 10000           | 003108015182 |

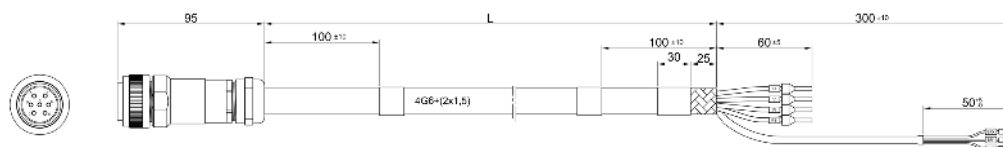
Power free wire cable for FLEXI-PRO and general purpose



### POWER CABLES for models TC-E 180 6E - 180 6F - 180 6G with holding brake for C3 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| E              | FASE U   | White             | Lenght (mm)     | Order code   |
| G              | FASE V   | Black             | 3000            | 003108015186 |
| B              | FASE W   | Red               | 5000            | 003108015187 |
| D              | PE       | Yellow-Green      | 10000           | 003108015185 |
| F              | BK +     | Red               |                 |              |
| A              | BK -     | Black             |                 |              |

Power free wire cable for FLEXI-PRO and general purpose



SEE IT BEFORE IT HAPPENS

**MOTOR  
POWER**  
COMPANY

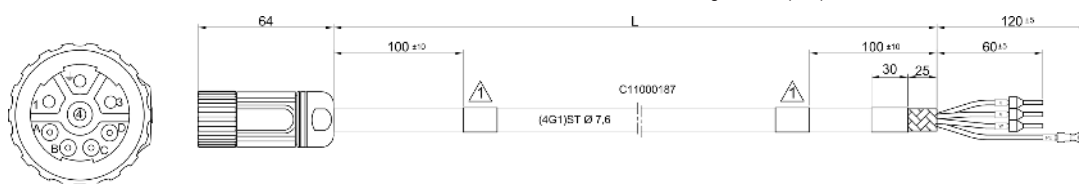
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

**POWER CABLES for models TC-E 60- 80 -100 4A - 130 5A - 130 5B - 130 5C - 130 5D - 130 5E - 130 5F - 130 5G without holding brake for C2 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015250 |
| 3              | FASE W   | Black             | 5000            | 003108015251 |
| 2              | PE       | Yellow-Green      | 10000           | 003108015252 |

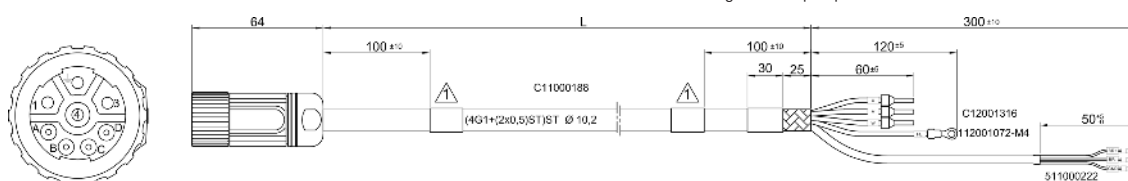
Power free wire cable for FLEXI-PRO and general purpose



**POWER CABLES for models TC-E 60 - 80 - 100 4A - 130 5A - 130 5B - 130 5C - 130 5D - 130 5E - 130 5F - 130 5G with holding brake for C2 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015253 |
| 3              | FASE W   | Black             | 5000            | 003108015254 |
| 2              | PE       | Yellow-Green      | 10000           | 003108015255 |
| A              | BK +     | Black             |                 |              |
| B              | BK -     | White             |                 |              |

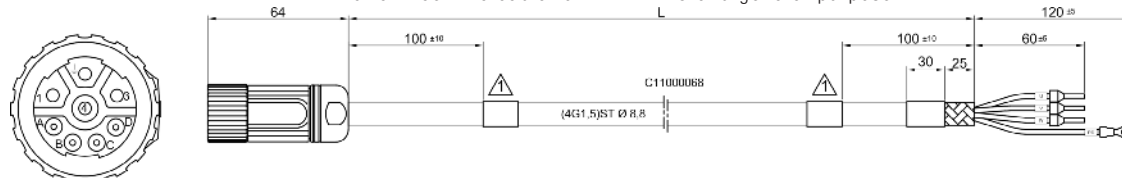
Power free wire cable for FLEXI-PRO and general purpose



**POWER CABLES for models TC-E 100 4B - 130 5H without holding brake for C2 connection**

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015192 |
| 3              | FASE W   | Red               | 5000            | 003108015193 |
| 2              | PE       | Black             | 10000           | 003108015191 |

Power free wire cable for FLEXI-PRO and general purpose





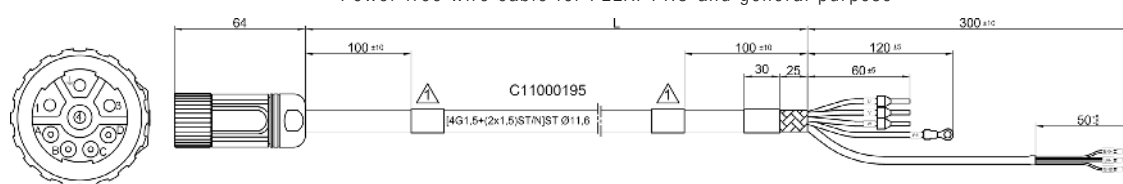
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 – cRUus AWM STYLE 21223 certified

## POWER CABLES for models TC-E 100 4B - 130 5H with holding brake for C2connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015195 |
| 3              | FASE W   | Black             | 5000            | 003108015196 |
| 2              | PE       | Yellow-Green      | 10000           | 003108015194 |
| A              | BK +     | Black             |                 |              |
| B              | BK -     | White             |                 |              |

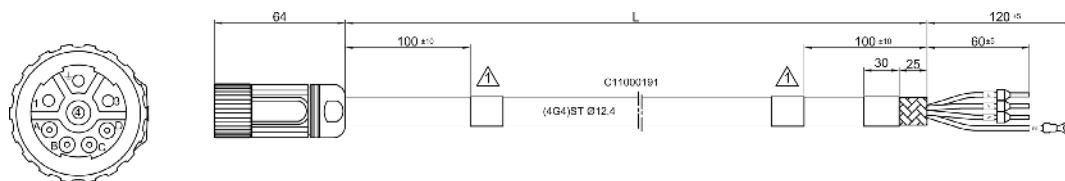
Power free wire cable for FLEXI-PRO and general purpose



## POWER CABLES for models TC-E 180 6A - 180 6B - 180 6C - 180 6D without holding brake for C2 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015204 |
| 3              | FASE W   | Black             | 5000            | 003108015205 |
| 2              | PE       | Yellow-Green      | 10000           | 003108015203 |

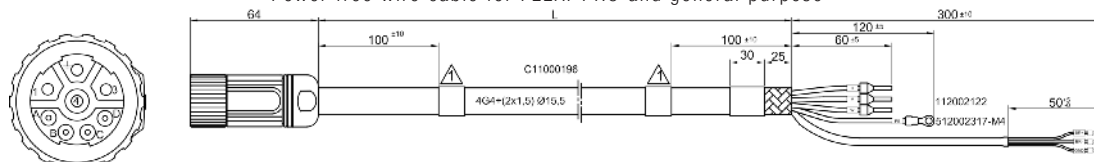
Power free wire cable for FLEXI-PRO and general purpose



## POWER CABLES for models TC-E 180 6A - 180 6B - 180 6C - 180 6D with holding brake for C2 connection

| PIN motor side | FUNCTION | Cable wire colour | For cable order |              |
|----------------|----------|-------------------|-----------------|--------------|
| 1              | FASE U   | Black             | Lenght (mm)     | Order code   |
| 4              | FASE V   | Black             | 3000            | 003108015207 |
| 3              | FASE W   | Black             | 5000            | 003108015208 |
| 2              | PE       | Yellow-Green      | 10000           | 003108015206 |
| A              | BK +     | Black             |                 |              |
| B              | BK -     | White             |                 |              |

Power free wire cable for FLEXI-PRO and general purpose



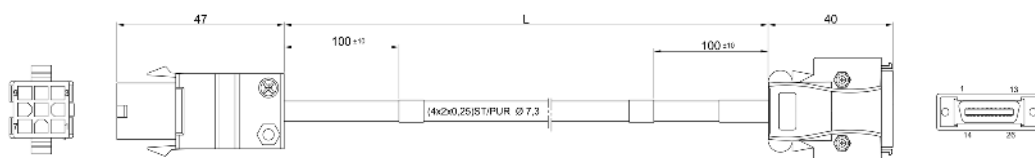
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 cULus AWM STYLE 20233 and E83517 – cRUus AWM STYLE 20549 certified

## SIGNAL CABLES for models TC-E 40-60-80 feedback A1 absolute multiturn encoder for D0 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 1              | DATA +   | 1              | Lenght (mm)     | Order code   |
| 2              | SIN +    | 9              | 3000            | 003108015210 |
| 3              | SIN -    | 22             | 5000            | 003108015211 |
| 4              | DATA -   | 14             | 10000           | 003108015209 |
| 5              | COS +    | 10             |                 |              |
| 6              | COS -    | 23             |                 |              |
| 7              | 8 VDC    | 18             |                 |              |
| 8              | GND      | 24             |                 |              |
| 9              | SHIELD   | 26             |                 |              |

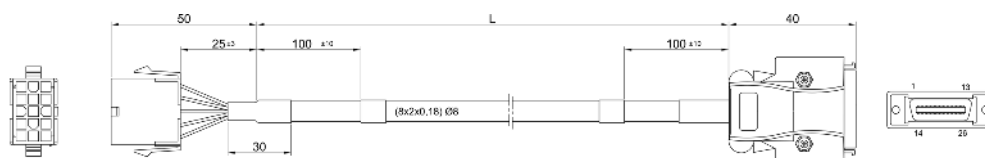
Signal wired cable for FLEXI-PRO with absolute multiturn encoder



## SIGNAL CABLES for models TC-E 40-60-80 feedback E1 incremental encoder for D0 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 1              | A        | 1              | Lenght (mm)     | Order code   |
| 2              | A/       | 14             | 3000            | 003108015219 |
| 3              | B        | 2              | 5000            | 003108015220 |
| 4              | B/       | 15             | 10000           | 003108015218 |
| 5              | Z        | 3              |                 |              |
| 6              | Z/       | 16             |                 |              |
| 7              | HU       | 4              |                 |              |
| 8              | HU/      | NC             |                 |              |
| 9              | HV       | 17             |                 |              |
| 10             | HV/      | NC             |                 |              |
| 11             | HW       | 5              |                 |              |
| 12             | HW/      | NC             |                 |              |
| 13             | 5 VDC    | 11             |                 |              |
| 14             | GND      | 24             |                 |              |
| 15             | SHIELD   | 26             |                 |              |

Signal wired cable for FLEXI-PRO with incremental encoder



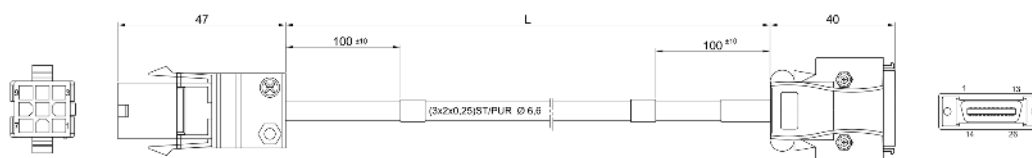
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 cULus AWM STYLE 20233 and E83517 – cRUus AWM STYLE 20549 certified

## SIGNAL CABLES for models TC-E 40-60-80 feedback A2 20 bit absolute encoder for D0 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 1              | DATA +   | 1              | Lenght (mm)     | Order code   |
| 4              | DATA -   | 14             | 3000            | 003108015162 |
| 7              | 5 VDC    | 11             | 5000            | 003108015163 |
| 8              | GND      | 24             | 10000           | 003108015161 |
| 9              | SHIELD   | 26             |                 |              |

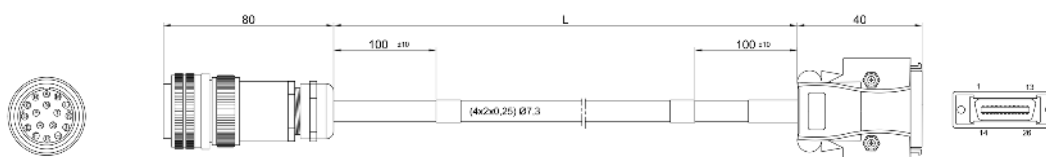
Signal wired cable for FLEXI-PRO with 20 bit absolute encoder



## SIGNAL CABLES for models TC-E 100 - 130 - 180 feedback A1 absolute multiturn encoder for C3 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| A              | 8 VDC    | 18             | Lenght (mm)     | Order code   |
| B              | SIN +    | 9              | 3000            | 003108015213 |
| C              | SIN -    | 22             | 5000            | 003108015214 |
| D              | COS +    | 10             | 10000           | 003108015212 |
| E              | COS -    | 23             |                 |              |
| F              | GND      | 24             |                 |              |
| G              | DATA +   | 1              |                 |              |
| H              | DATA -   | 14             |                 |              |
| J              | SHIELD   | 26             |                 |              |

Signal wired cable for FLEXI-PRO with absolute multiturn encoder



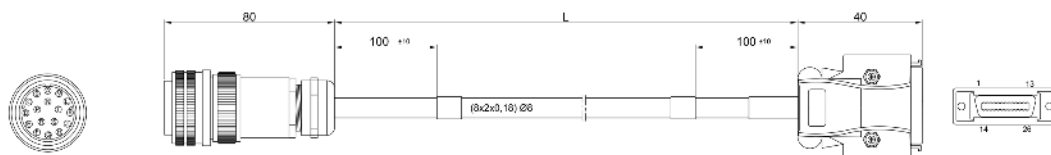
# CABLES SPECIFICATIONS

Dynamic laying cable E83517 cULus AWM STYLE 20233 and E83517 – cRUus AWM STYLE 20549 certified

## SIGNAL CABLES for models TC-E 100 - 130 - 180 feedback E1 incremental encoder for C3 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| A              | A        | 1              | Lenght (mm)     | Order code   |
| B              | A/       | 14             | 3000            | 003108015222 |
| C              | B        | 2              | 5000            | 003108015223 |
| D              | B/       | 15             | 10000           | 003108015221 |
| E              | Z        | 3              |                 |              |
| F              | Z/       | 16             |                 |              |
| G              | HU       | 4              |                 |              |
| H              | HU/      | NC             |                 |              |
| J              | HV       | 17             |                 |              |
| K              | HV/      | NC             |                 |              |
| L              | HW       | 5              |                 |              |
| M              | HW/      | NC             |                 |              |
| N              | 5 VDC    | 11             |                 |              |
| P              | GND      | 24             |                 |              |
| Q              | SHIELD   | 26             |                 |              |

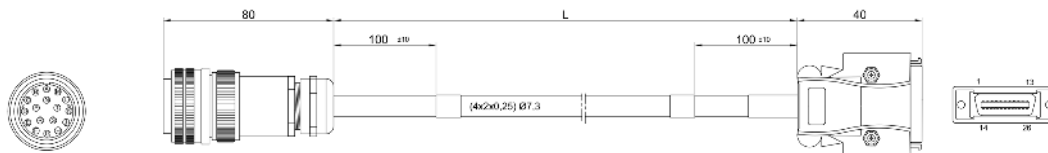
Signal wired cable for FLEXI-PRO with incremental encoder



## SIGNAL CABLES for models TC-E 100 - 130 - 180 feedback A2 20 bit absolute encoder for C3 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| A              | DATA +   | 1              | Lenght (mm)     | Order code   |
| B              | DATA -   | 14             | 1500            | 003108015188 |
| S              | 5 VDC    | 11             | 3000            | 003108015189 |
| R              | GND      | 24             | 5000            | 003108015190 |
| L              | SHIELD   | 26             | 10000           | 003108015227 |

Signal wired cable for FLEXI-PRO with 20 bit absolute encoder

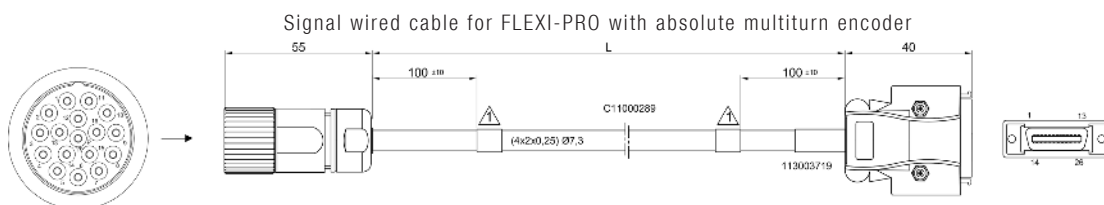


# CABLES SPECIFICATIONS

Dynamic laying cable E83517 cULus AWM STYLE 20233 and E83517 – cRUus AWM STYLE 20549 certified

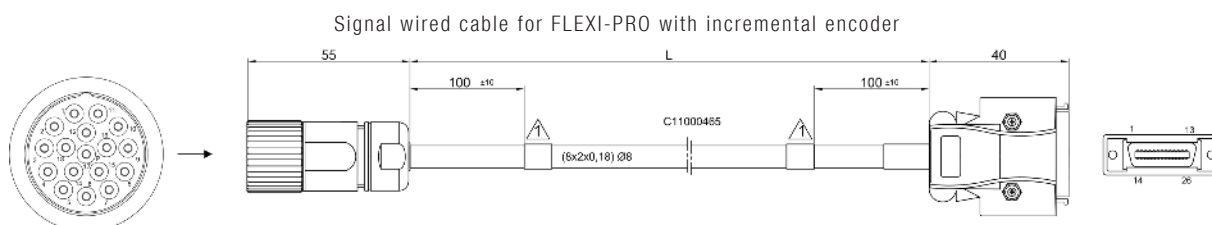
## SIGNAL CABLES for models TC-E 60 - 80 - 100 - 130 - 180 feedback A1 absolute multiturn encoder for C2 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 4              | 8 VDC    | 18             | Lenght (mm)     | Order code   |
| 6              | SIN +    | 9              | 3000            | 003108015216 |
| 5              | SIN -    | 22             | 5000            | 003108015217 |
| 12             | COS +    | 10             | 10000           | 003108015215 |
| 11             | COS -    | 23             |                 |              |
| 3              | GND      | 24             |                 |              |
| 8              | DATA +   | 1              |                 |              |
| 7              | DATA -   | 14             |                 |              |
| 10             | SHIELD   | 26             |                 |              |



## SIGNAL CABLES for models TC-E 60 - 80 - 100 - 130 - 180 feedback E1 incremental encoder for C2 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 6              | A        | 1              | Lenght (mm)     | Order code   |
| 5              | A/       | 14             | 3000            | 003108015225 |
| 12             | B        | 2              | 5000            | 003108015226 |
| 11             | B/       | 15             | 10000           | 003108015224 |
| 8              | Z        | 3              |                 |              |
| 7              | Z/       | 16             |                 |              |
| 2              | HU       | 4              |                 |              |
| 15             | HU/      | NC             |                 |              |
| 9              | HV       | 17             |                 |              |
| 14             | HV/      | NC             |                 |              |
| 1              | HW       | 5              |                 |              |
| 13             | HW/      | NC             |                 |              |
| 4              | 5 VDC    | 11             |                 |              |
| 3              | GND      | 24             |                 |              |
| 10             | SHIELD   | 26             |                 |              |



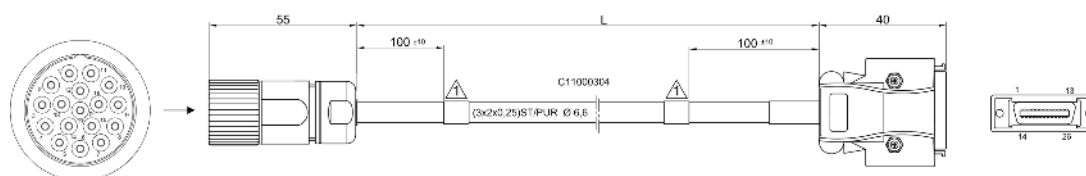
## CABLES SPECIFICATIONS

Dynamic laying cable E83517 cULus AWM STYLE 20233 and E83517 – cRUus AWM STYLE 20549 certified

### SIGNAL CABLES for models TC-E 60 - 80 - 100 - 130 - 180 feedback A2 20 bit absolute encoder for C2 connection

| PIN motor side | FUNCTION | PIN drive side | For cable order |              |
|----------------|----------|----------------|-----------------|--------------|
| 6              | DATA +   | 1              | Lenght (mm)     | Order code   |
| 5              | DATA -   | 14             | 3000            | 003108015230 |
| 4              | 5 VDC    | 11             | 5000            | 003108015231 |
| 3              | GND      | 24             | 10000           | 003108015229 |
| 10             | SHIELD   | 26             |                 |              |

Signal wired cable for FLEXI-PRO with 20 bit absolute encoder



SEE IT BEFORE IT HAPPENS

## CONNECTOR SPECIFICATIONS

### FLYING CONNECTORS for D0 connection

|                                                          |                         |
|----------------------------------------------------------|-------------------------|
| Power Connector<br>for TC-E 40-60-80 Molex 4p            | order code 007117000088 |
| Power Connector<br>for TC-E 40-60-80 with brake Molex 6p | order code 007117000086 |
| Signal Connector<br>for TC-E 40-60-80 Amp 9p             | order code 007117000084 |

### FLYING CONNECTORS FOR C2 connection

|                                                                                                                                                        |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Power connector pin included<br>BSTA108NN00580236000 + 4 PIN 60.003.11 FM/2mm<br>CRIMP.0,35-2,5 SPRING + 4 PIN 60.001.11 FM/1mm<br>CRIMP.0,14-1 SPRING | order code 007117000472 |
| Signal connector pin included<br>ASTA014NN00410235000 17p/FM + 17 PIN 60.011.11<br>FM/1mm CRIMP.0,14-1                                                 | order code 007117000462 |

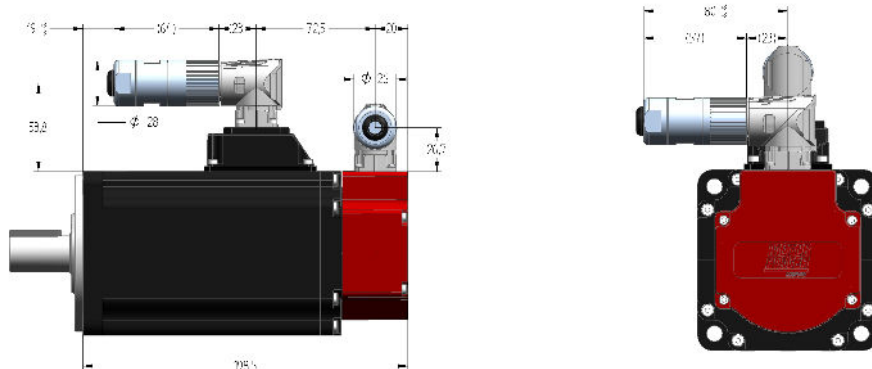


### FLYING CONNECTORS for C3 connection

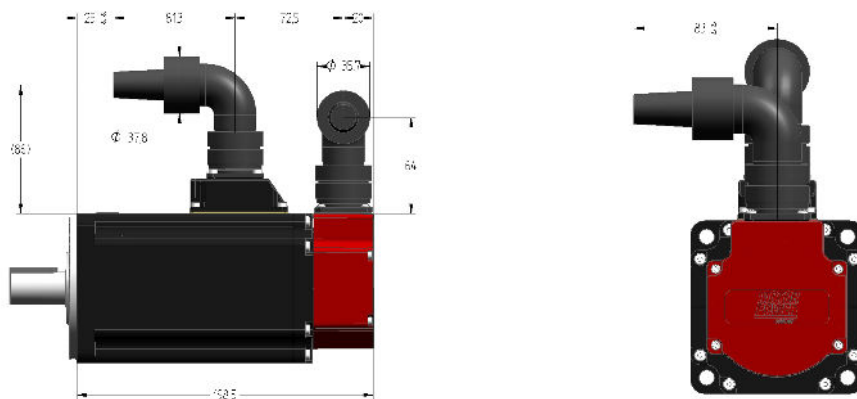
|                                                                                                          |                                                                                |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Signal Connector for TC-E 100, 130, 180<br>97-3106AMI20- 29S(417)(946)(M16)(A99)<br>cable gland included | order code 005117001770                                                        |
| Power Connector for TC-E 100 and 130<br>DL31.06A.20-15S (PG16)<br>cable gland not included               | power connector order code 005117001766<br>cable gland order code 005603000170 |
| Power Connector for TC-E 180<br>DLC31.06A.24-10S (PG21)<br>cable gland not included                      | order code 005117001768<br>cable gland order code 005603000300                 |

## FLYING CONNECTOR DIMENSIONS

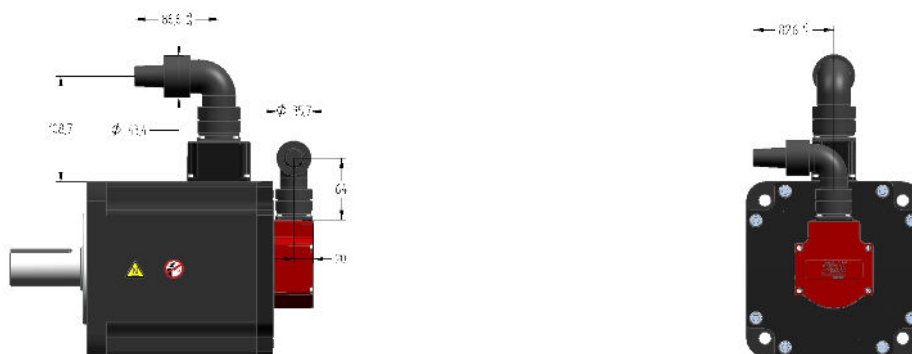
### FLYING CONNECTORS for C2 connection (90° M23 turnable connectors)



### FLYING CONNECTORS for C3 connection for TC-E 100-130 (90° MS connectors)



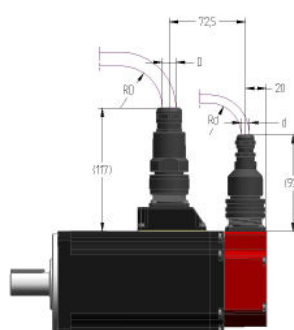
### FLYING CONNECTORS for C3 connection for TC-E 180 (90° MS connectors)



### FLYING CONNECTORS for C3 connection for MS connectors

Radius curvature  $RD=10 \times D$  and  $Rd = 10 \times d$

TC-E 100 and 130



TC-E 180

