TETRA

HOW TO ORDER THE SIGNAL CABLES FOR TETRA SERIES

SELECT THE CABLE ACCORDING TO THE TRANSDUCER TYPE:

CABLE TYPE	MOTOR TYPE	TRASDUCER TYPE
S 08	T56 - T85 - T 115 – T 142	Resolver – Hall sensor
S 16	T56 - T85 - T 115 – T 142	Encoder - Encoder sin - cos

Example:

CV S08	08	01	R	04	AA	01
CABLE	CABLE LENGTH	CONNECTION OUTPUT SERVOMOTOR SIDE	TRANSD.	CONNECTION OUTPUT DRIVE SIDE	VERSION	OUTPUT CONN. CODE
S08 S16	Standard (m)	01 Signal cable For terminal box (flying cable)	R Resolver	00 Flying cable	AA Dynamic laying *(standard)*	01 Standard
	05	02 Signal cable for connector	E Encoder	01 Female plug D 9p		
	10			02 Male plug D 9p		
				03 Female plug D 15p high density		
				04 Male plug D 15p high density (resolver)		
				05 Female plug D 25p (encoder)		
				06 Male plug D 25p		

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TETRA

HOW TO ORDER THE POWER CABLES FOR TETRA SERIES

SELECT THE CABLE ACCORDING TO THE MOTOR TYPE AND THE WINDING:

MOTOR TYPE	TYPE OF WINDING	CABLE	MOTOR TYPE	TYPE OF WINDING	CABLE
T56 0.5	15-14-12-8-4-3-2-1	P1008	T115 7	19-18-17-16-15-14	P1508
T56 0.9	15-14-12-8-4-3- 2*-1*	P1008	T115 7	12	P2508
T56 1.35	15-14-12-8-4-3*	P1008	T115 9.2	19-18-17-16-15-14	P1508
T56 1.35	2*-1*	P1508	T115 11	19-18-17-16-15	P1508
T85 1.2	18-17-16-15-14-12-8-4-3-2-1	P1508	T115 11	14-13	P2508
T85 2.2	18-17-15-14-12-8-4	P1508	T142 12	19-18-17-16-15	P1508
T85 2.2	3-2-1	P2508	T142 12	14	P2508
T85 3.2	18-17-16-15-14-12-9-6	P1508	T142 16.5	19-18-17-16	P1508
T85 4.2	18-17-16-15-14-12-9	P1508	T142 16.5	15	P2508
T85 4.2	6	P2508	T142 21	19-18-17	P1508
T115 3	18-17-16-15-14-12-9	P1508	T142 21	16-15	P2508
T115 5.2	19-18-17-16-15-14-12	P1508	T142 25.5	19-18	P1508
T115 5.2	9	P2508	T142 25.5	17-16	P2508

*** double connector not available**

Example:

CV P1008	08	01	00	AA	01
CABLE	CABLE LENGHT	CONNECTION OUTPUT SERVOMOTOR SIDE	CONNECTION OUTPUT DRIVE SIDE	VERSION	OUTPUT CONN. CODE
P1008 P1508 P2508	Standard (m) 05 10 On request Optional length min.1m	01 Power cable for terminal box (flying cable) 03 Power cable for connector	00 Flying cable	AA Dynamic laying (standard)	01 Standard

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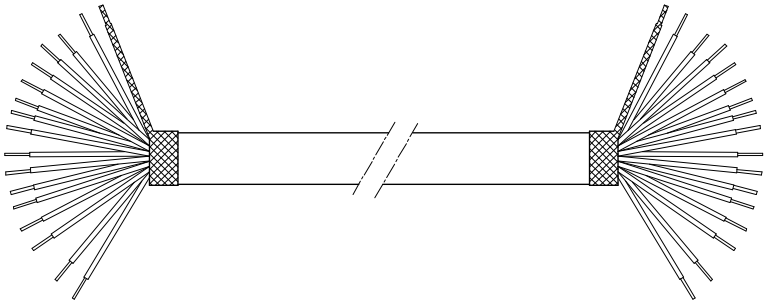
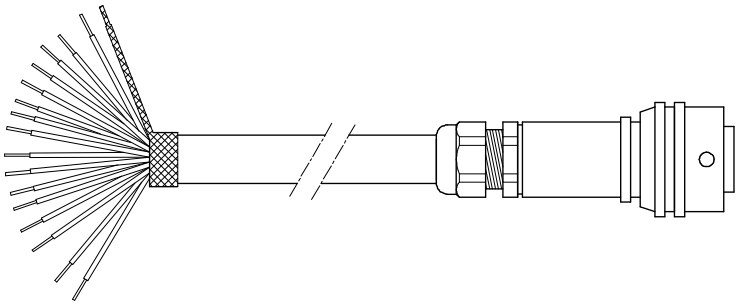
SIGNAL CABLES FOR ENCODER S16

FLYING CABLE



CABLE + CONNECTOR MOTOR SIDE



GENERAL FEATURES

Movement speed.....180 m/min
Maximum acceleration .....7 m/s²
Oil resistance.....VDE 0472 part 803 A/B
Working temperature.....-0°C +80°C
Storage temperature.....-40°C +80°C
Max pulling strength.....50 N/mm²
Voltage.....250 V

Dielectric strength.....1500 V
Insulation.....PVC complying with NFC-CEI-VDE-IEC
Jacket.....PVC complying with VDE 0250-818
Min. bending radius.....90 mm
Conductor.....flexible complying with
NFC 32012 class 6
CEI 20-29 class 6
IEC 228 class 6
DE 0295 class 6

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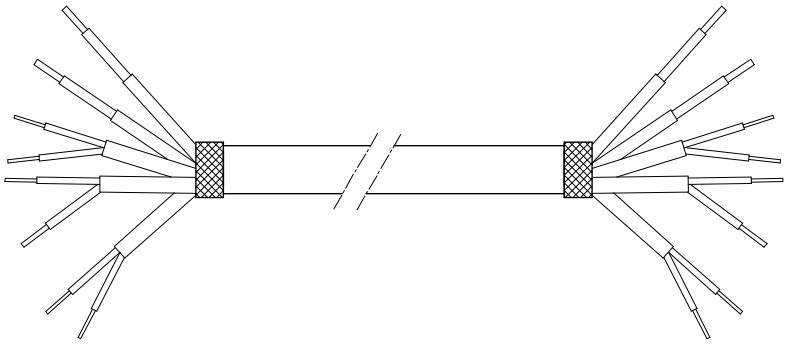
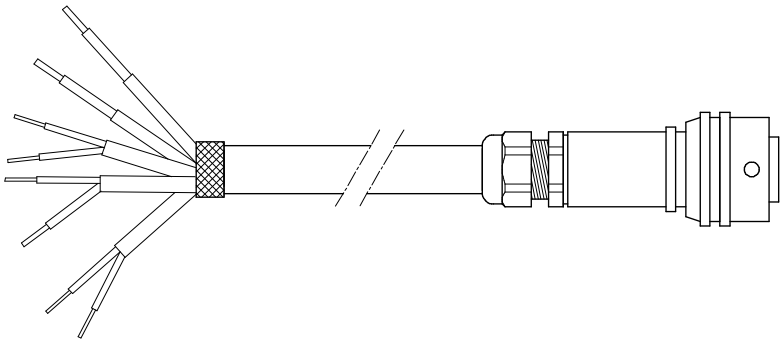
SIGNAL CABLES FOR RESOLVER S08

FLYING CABLE



CABLE + CONNECTOR MOTOR SIDE



GENERAL FEATURES

Movement speed.....180 m/min	Dielectric strength.....1500 V
Maximum acceleration .....7 m/s^2	Insulation.....PE-LA
Oil resistance.....VDE 0472 part 803 A/B	Jacket.....PVC
Working temperature.....-10°C +80°C	Min. bending radius.....10*dia (dia=10.2)
Storage temperature.....-40°C +80°C	Conductor.....Flexible
Max pulling strength.....50 N/mm^2	
Voltage.....250 V	

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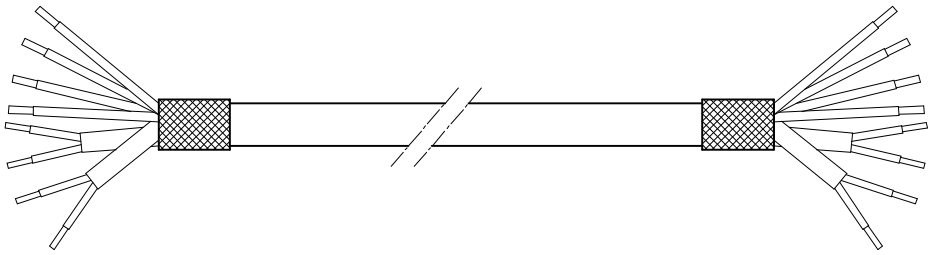
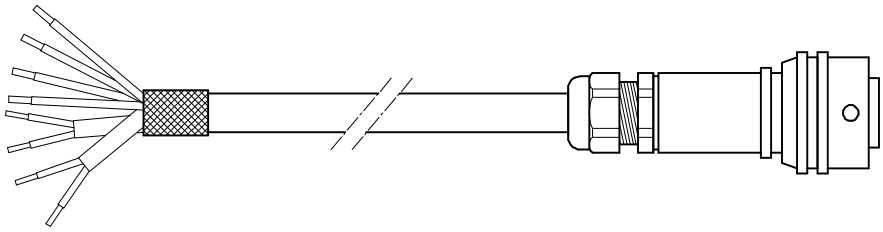
POWER CABLES

FLYING CABLE



CABLE + CONNECTOR MOTOR SIDE



GENERAL FEATURES

Movement speed.....180 m/min
Maximum acceleration .....7 m/s²
Oil resistance.....VDE 0472 part 803 A/B
UL 1581-VDE 0282 TEIL 10 HD 22.10 S1
Working temperature.....-30°C +80°C
Storage temperature.....-50°C +90°C
Max pulling strength.....50 N/mm²
Voltage.....power 600/1000 V
signals 300 V

Dielectric strength.....power 4000 V
signals 2000 V
Insulation.....TPE-E
Jacket.....special compound of PVC
with low friction degree
Min. bending radius.....10*dia (dia=12-12.2-15.5)
Conductor.....flexible complying with
NFC 32012 class 6
CEI 20-29 class 6
IEC 228 class 6
VDE 0295 class 6

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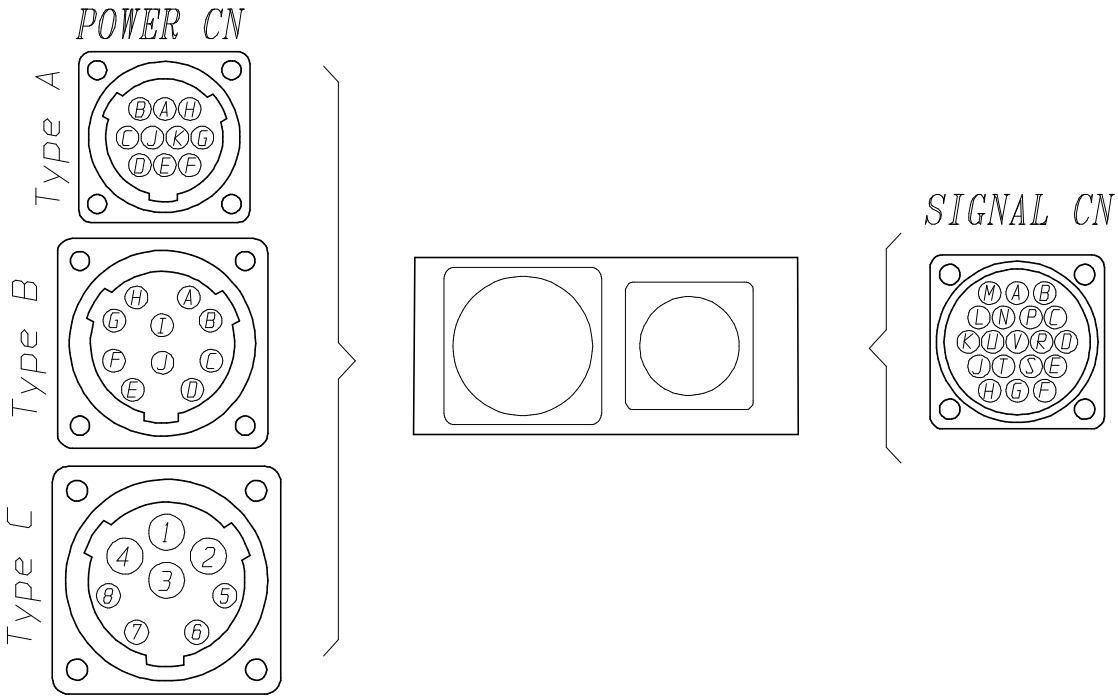
CONNECTIONS FOR DOUBLE CONNECTOR



Type *A* – Type *B*

POWER CONNECTOR	
N° PIN	**FUNCTION**
A	PHASE U
B	PHASE V
C	PHASE W
D	BRAKE -
E	BRAKE +
F	THERMAL PROTECTOR
G	THERMAL PROTECTOR
H	EARTH
I	
J	

Type *C*

POWER CONNECTOR	
N° PIN	**FUNCTION**
1	PHASE U
2	PHASE V
3	EARTH
4	PHASE W
5	BRAKE -
6	BRAKE +
7	THERMAL PROTECTOR
8	THERMAL PROTECTOR

CONNECTOR SIGNAL			
N° PIN	**FUNCTION**		
	ENCODER	***RESOLVER***	***HALL OPT.***
A	+ 5 V		+ 5 V
B	/B		
C	0 V	sin - (S3)	0 V
D	SHIELD	Sin (S1)	
E			
F	HALL W	Cos- (S4)	HALL W
G	HALLV	Cos (S2)	HALL V
H	HALL U		HALL U
J		7 VRMS f=10KHz	
K	HALL /U	0 V	HALL /U
L	/Z		
M	A		
N	/A		
P	B		
R	Z		
S			
T			
U	HALL /W		HALL /W
V	HALL /V		HALL /V

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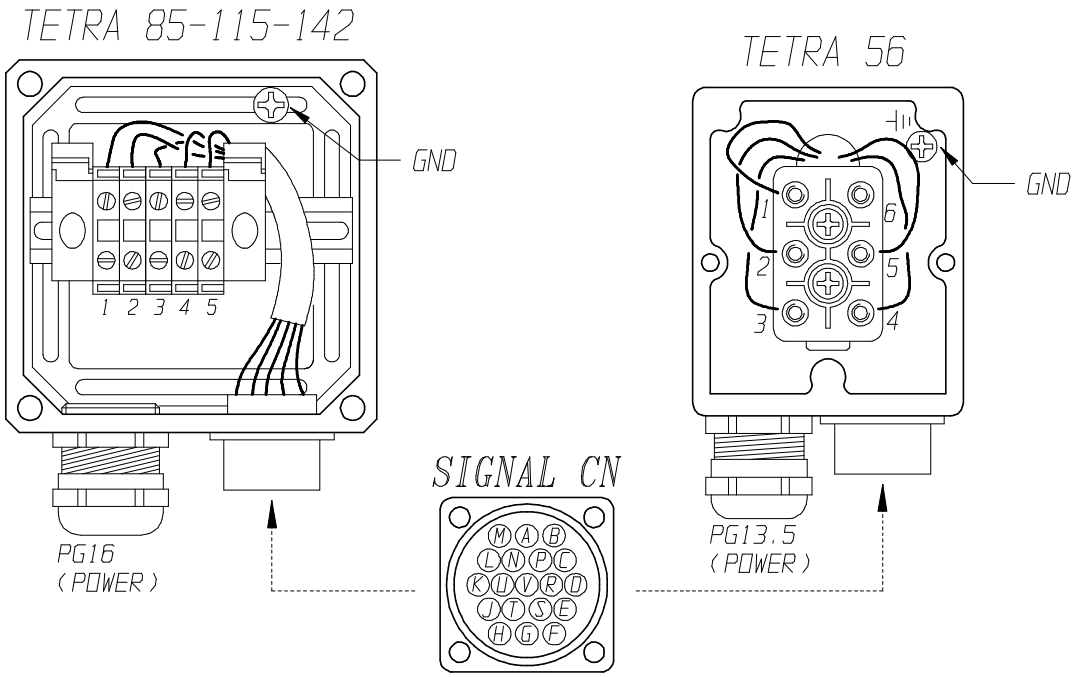
CONNECTIONS FOR CABLE GLAND + CONNECTOR



POWER CABLE GLAND	
N° PIN	FUNCTION
1	PHASE U
2	PHASE V
3	PHASE W
4	THERMAL PROTECTOR
5	THERMAL PROTECTOR

CONNECTOR SIGNAL			
N° PIN	FUNCTION		
	ENCODER	*RESOLVER*	*HALL OPT.*
A	+ 5 V		+ 5 V
B	/B		
C	0 V	Sin –(S3)	0 V
D	SHIELD	Sin(S1)	
E			
F	HALL W	Cos- (S4)	HALL W
G	HALLV	Cos (S2)	HALL V
H	HALL U		HALL U
J		7 VRMS f=10KHz	
K	HALL /U	0 V	HALL /U
L	/Z		
M	A		
N	/A		
P	B		
R	Z		
S			
T			
U	HALL /W		HALL /W
V	HALL /V		HALL /V

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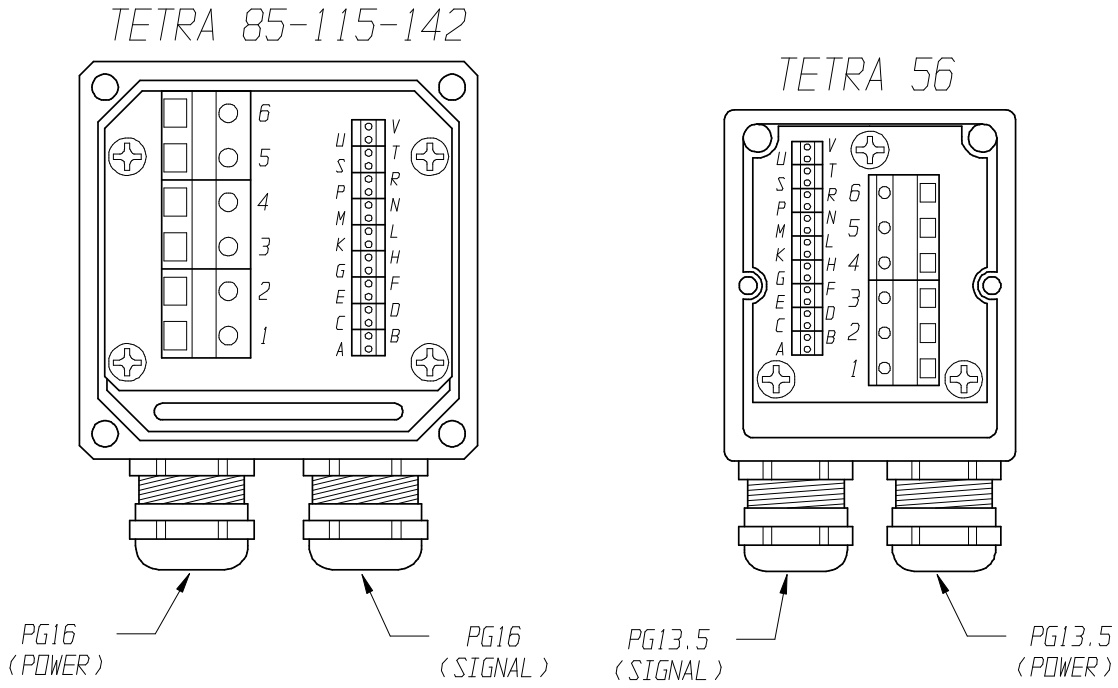
CONNECTIONS FOR DOUBLE CABLE GLAND



POWER CABLE GLAND	
N° PIN	**FUNCTION**
1	PHASE U
2	PHASE V
3	PHASE W
4	BRAKE -
5	BRAKE +
6	EARTH

SIGNAL CABLE GLAND			
N° PIN	**FUNCTION**		
	ENCODER	***RESOLVER***	***HALL OPT.***
A	+ 5 V		+ 5 V
B	/B		
C	0 V	sin –(S3)	0 V
D	SHIELD	Sin (S1)	
E			
F	HALL W	cos –(S4)	HALL W
G	HALLV	Cos(S2)	HALL V
H	HALL U		HALL U
K	HALL /U	7 VRMS f=10KHz	HALL /U
L	/Z	0 V	
M	A		
N	/A		
P	B		
R	Z		
S	THERMAL	THERMAL	THERMAL
T	THERMAL	THERMAL	THERMAL
U	HALL /W		HALL /W
V	HALL /V		HALL /V

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