RJ45 OVERMOLDED METAL COVER CABLE ASSEMLBLY

For part number details: see page 28

PART NUMBER

Y-ConC- R**60 - **** - **** - * *

- Series
- Side 1
- Side 2
- Cable Length
- Wiring
- Component Type 1 = LT (Low temp.) 2 = EMI 3 = LT + EMI

SERIES Y-ConOvermold

DESCRIPTION

Overmolded IP67/68/69K metal cover version for Y-Con plugs and cables, with or without EMI protection, with latches, Twist-Lock open and closing mechanism.
Only available as cable assembly.
For details please contact Yamaichi

Umspritzte Kabelkonfektion IP67/68/69K mit Metalgehäuse für Y-Con Kabelstecker und Kabel. Mit und ohne zusätzlichen EMV-Schutz, mit Twist-Lock Verschlussmechanismus und Rasthaken.
Nur als Kabelkonfektion erhältlich. Für Details bitte Yamaichi kontaktieren

MATERIAL

Body Gehäuse	Die-cast zinc
Seal Dichtung	FKM (Viton®) or HNBR
Fixing clips Rasthaken	Stainless steel
EMI Spring (optional) EMV Feder	Phosphor Bronze
EMI Washer (optional) EMV Scheibe	Phosphor Bronze

SPECIFICATIONS

Operating Temp.: Betriebstemp.	Std. - 20°C ~ +120°C LT - 40°C ~ +120°C

ACCESSORIES PART NO.: Y-ConAS-21

DESCRIPTION

IP67 protective transport cap for Y-ConCover-10-* / Y-ConCover-40-*

IP67-Transportschutzabdeckung für Y-ConCover-10-* / Y-ConCover-40-*

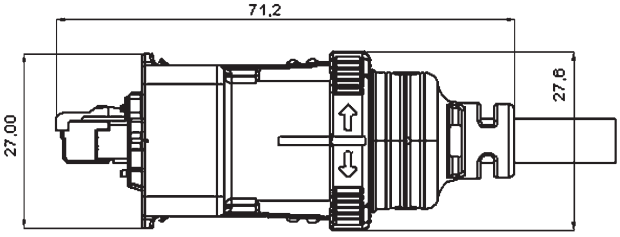
MATERIAL

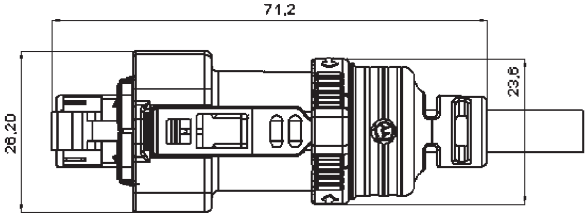
Body Gehäuse	PE
Colour Farbe	Transparent white

SPECIFICATIONS:

Operating Temp.: Betriebstemp.	-20°C ~+80°C

OUTLINE DIMENSIONS





PART NUMBER EXAMPLE

Y-ConC	-	R40	6M	-	RJ	2S	-	2000	-	A	1
Series		RJ45 with 4+0 contacts	IP67 metal cover		RJ45	IP20 with strain relief		Length in mm		Wiring Plan	Component Types

PART NUMBER

Y-ConC - *** ** - ** ** - **** - * *

Series

Interface side 1

R40 = RJ45, 4+0 contacts
R42 = RJ45, 4+2 contacts
R60 = RJ45, 6+0 contacts
R62 = RJ45, 6+2 contacts
R80 = RJ45, 8+0 contacts
R82 = RJ45, 8+2 contacts

Protection side 1

6P = IP67 plastic cover
6M = IP67 metal cover
6O = IP67 overmolded
2S = IP20 strain relief
2L = IP20Lock strain relief
2U = IP20Lock 90° overmolded
2M = IP20 metal cover
CU = customer specific

Interface side 2

RJ = RJ45
CU = customer specific
FE = free end (cut only)

Protection side 2

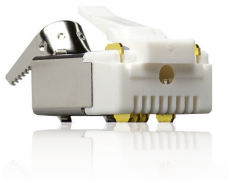
6P = IP67 plastic cover
6M = IP metal cover
6O = IP67 overmolded
2S = IP20 strain relief
2L = IP20Lock strain relief
2O = IP20Lock 90° overmolded
2M = IP20 metal cover
CU = customer specific

Length in mm

Wiring Plan A = T568A 1:1, B = T568A crossover, C = T568B 1 :1, D = T568B crossover, F = Custom

Component Types 1 = LT (Lower Temperature) 2 = EMI 3 = LT + EMI

POSSIBLE COVER VARIATIONS



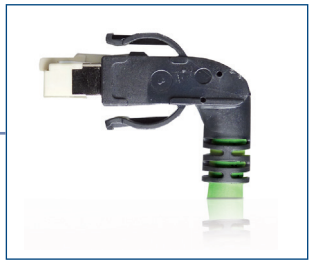
Y-ConPlug-**
for all these
Y-Con covers

IP6* plastic cover

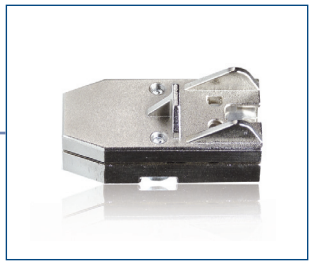
IP6* metal and overmolded metal cover

IP20 strain relief

IP20Lock strain relief



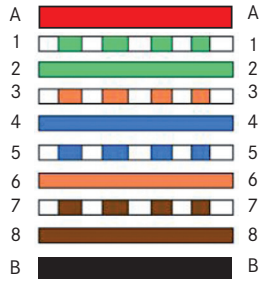
IP20Lock 90° overmolded



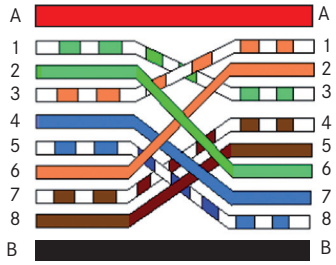
IP20 metal cover

POSSIBLE WIRING DIAGRAMS

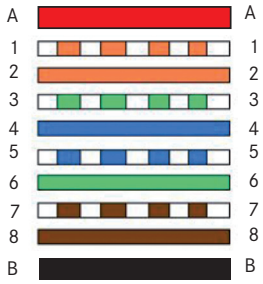
T568A 1 : 1



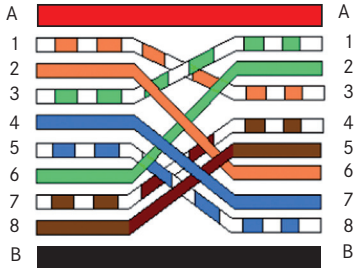
T568A Crossover



T568B 1 : 1



T568B Crossover



Note: Y-ConPlug-11, -12 and -31 use only signal contacts 1, 2, 3 & 6.
A and B are optional power contacts

DESCRIPTION:

Cat 5 (Cat 5e), digital signal cable.
silicon free

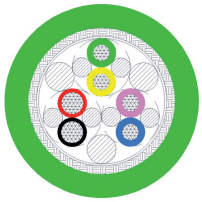
100 Mbps, Cat 5 (Cat 5e), Kabel für digitale Signale.
Silikon frei

PART NUMBER

Y-ConCable - *

Series

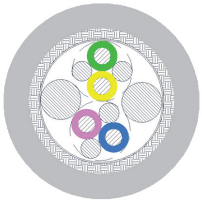
See table below



PART NUMBER Y-ConCable-1

Suitable for Y-ConPlug-21

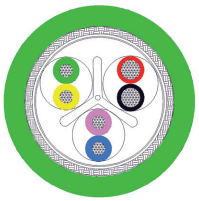
Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
2 x 2	2	PVC	-20°C ~ +80°C	6.9mm	No	125mm multiple turns	max. 100,000
AWG 24/7 0.22mm²	AWG 22/19 0.38mm²	Green		(+0.1)		35mm single turn	



PART NUMBER Y-ConCable-2

Suitable for Y-ConPlug-11

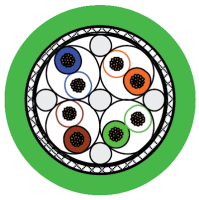
Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
2 x 2	0	PVC	-20°C ~ +80°C	6.85mm	No	min. 50mm single turn	-
AWG 24/7 0.22mm²		Grey		(+/-0.15)			



PART NUMBER Y-ConCable-3

Suitable for Y-ConProfixPlug-63

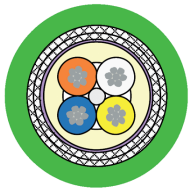
Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
2 x 2	2	PUR	-20°C ~ +80°C	6.8mm	Yes	70mm multiple turns	max. 1 million
AWG 26/7 0.14mm²	AWG 22/7 0.34mm²	Green		(+0.2)		35mm single turn	



PART NUMBER Y-ConCable-4

Suitable for Y-ConPlug-41

Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
4 x 2	0	PUR	-20°C ~ +70°C	6.8mm	Yes	68mm	max. 1 million
AWG 26/7 0.14mm²		Green		(+0.1/-0.3mm)			



PART NUMBER Y-ConCable-7 AND FOR PROFINET

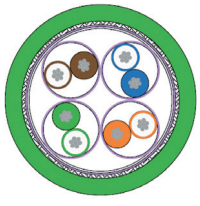
Suitable for Y-ConPlug-15

Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
8	0	PUR	-20°C ~ +80°C	6.8mm	Yes	102mm multiple turns	max. 2.5 million
AWG 22/7 0.34mm²		Green		(+0.2)			

PART NUMBER Y-ConCable-10

Suitable for Y-ConPlug-51

Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
4 x 2	2	PUR	-20°C ~ +70°C	6.9mm	Yes	70mm multiple turns	max. 1 million
AWG 26/7 0.14mm²	AWG 23/19 0.25mm²	Green		(+0.1)			



PART NUMBER Y-ConCABLE-CAT6-1

Suitable for Y-ConProfixPlug-63

Signal	Power	Jacket	Temp.	Cable OD	Cable Chain	Bending Radius	Bending Cycles
4 x 2	0	PVC	-40°C ~ +80°C	8.6mm	-	68mm multiple turns	-
AWG 23		Green		(+/-0.2)			

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤90Ω x km	≥1GΩ x km	500V / 50Hz	50nF / km	100 +/- 15Ω	100Mhz	IEC 332-1	No
Power ≤55Ω x km		for 1 min	at 800Hz	at 1Mhz to 100Mhz	> 32dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤90Ω x km	≥1GΩ x km	500V / 50Hz	50nF / km	100 +/- 15Ω	100Mhz	IEC 332-1	No
		for 1 min	at 800Hz	at 1Mhz to 100Mhz	> 32dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤140Ω x km	≥1GΩ x km	500V / 50Hz	50nF / km	100 +/- 15Ω	100Mhz	IEC 332-1	Yes
Power ≤62Ω x km		for 1 min	at 800Hz	at 1Mhz to 100Mhz	> 32dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤140Ω x km	≥140MΩ x km	700V / 50Hz	48nF / km	100 +/- 15Ω	100Mhz	UL- Style 20963	Yes
		for 1 min	at 1,000Hz	at 1Mhz to 100Mhz	> 32dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤60Ω x km	≥500MΩ x km	2,000V / 50Hz	53nF / km	100 +/- 15Ω	100Mhz	UL- Style 20963	Yes
		for 1 min	at 800Hz	at 1Mhz to 100Mhz	> 50dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame resistance	Halogen Free
Data ≤140Ω x km	≥150MΩ x km	1,000V / 50Hz	48nF / km	100 +/- 15Ω	100Mhz	UL- Style 20963	Yes
Power ≤75Ω x km		for 1 min	at 1,000Hz	at 1Mhz to 100Mhz	> 35dB / 100m		

Conductor Resistance	Insulation Resistance	Dielectric Strength	Capacitance	Characteristic Impedance	Near-end Crosstalk	Flame Resistance	Halogen Free
Data ≤150Ω x km	≥500MΩ x km	1,000V / 50Hz	-	100 +/- 5Ω	45.3dB	UL- Style 2461	No
		for 1 min		at 100Mhz			