

RosenbergerHSD® Number Codes

D4	K	1	0	A –	1	xx	A5 –	y		
									Coding	Direction
									A Jet black / Graphite black	A Cable down, left, right
									B Cream white	B Cable down, left, right
									C Signal blue / Light blue	C Cable down, left, right
									D Claret violet	D Cable down, left, right
									E Leaf green / May green	E Cable down, left, right
									F Nut brown	F Cable down, left, right
									Z Water blue (neutral coding for cable down, left, right)	Z Cable down, left, right
									G Blue grey	G Cable up
									H Heather violet	H Cable up
									J Beige	J Cable up
									K Curry	K Cable up
									L Yellow green	L Cable up
									M Pastel orange	M Cable up
									O Light green (neutral coding for cable up)	O Cable up
									y Placeholder for required coding	y
									Plating	
									01-Z9 Cable group	
									00 Blank	
									0M Surface mount device	
									xx Blank cable group	
									1 Crimp	
									4 PCB mounting	
									Successive number	
									0 Standard cable down	
									U Cable up	
									L Cable left	
									R Cable right	
									1 Straight connector	
									2 Right Angle connector	
									K Female jack	
									S Male plug	
									W Tools	
									Z Plastic housings and accessories	
									Connector series	
									D4 RosenbergerHSD®	
									D2 RosenbergerHSD®t	
									99 Special products power pin (RosenbergerHSD®+2, +4, +8)	

Cable Assemblies

Rosenberger offers a comprehensive range of standard cable assemblies as well as customized solutions for high-speed data transmissions.

Cable variants with 0.14 mm² and 0.5 mm² center contact sections are used. There are semi- and fully-shielded cable variants for RosenbergerHSD[®] system as well shielded cables for the RosenbergerHSD^{®t} connectors available.

Customer-specific versions on request, please feel free to contact us.

Rosenberger Number Code – Cable Assemblies RosenbergerHSD[®]/HSD^{®t}

L	xx-	101-	xxxx-	-y-y	(_ flex)
					add if flexible cable
					Coding Side A and B
					A, B, C, D, E, F, Z, G, H, J, K, L, M, O
					y Placeholder for required coding
					Length in mm
					Successive number,
					Include assembled connectors,
					for details please see data sheet
					Cable group
					D5 e.g. G&G K6750, LEONI Dacar [®] 535, 535-2 (flex), 636, 636-2 (flex)
					D9 e.g. LEONI Dacar 686-3
					AF e.g. G&G X6238, LEONI Dacar [®] 566
					AQ e.g. G&G 2Speed [®] 132, LEONI Dacar 676
					AU e.g. G&G X9207
					Cable assembly

RosenbergerHSD® Cable Groups

Cable Group	Impedance	Cable Type
D5	100 Ω	e.g. G&G K6750, X6656, LEONI Dacar® 535, 535-2, 636, 636-2
AF	90 ± 15 Ω	e.g. G&G X6238, LEONI Dacar® 566
AU	100 Ω	e.g. G&G X9207

RosenbergerHSD®t Cable Group

Cable Group	Impedance	Cable Type
D9	100 Ω	e.g. LEONI Dacar® 686-3
AQ	100 Ω	e.g. G&G 2Speed® 132, LEONI Dacar® 676

RosenbergerHSD® Plating Code

Outer Contact

Code	Plating	Symbol	Layer thickness	Magnetic properties
A	Nickel	Ni	3.00 µm	
L	AuroDur®	Au	0.15 µm	non magnetic

Center Contact

Code	Plating	Symbol	Layer thickness	Magnetic properties
5	AuroDur®	Au	0.15 µm	non magnetic

The used platings of outer and center contacts of Rosenberger connectors can be identified by each part number.

Example:

D4S23L-40MA5-y

Plating outer contact: Nickel (A)

Plating center contact: AuroDur® (5)

AuroDur® – The Rosenberger Standard Plating for Gold Surfaces

AuroDur® plating is the standard gold surface for all Rosenberger connector series.

AuroDur® has been developed by the engineering and metallurgical team at Rosenberger, well-experienced in developing electroplating standard and customized surfaces.

The AuroDur® surface consists of a thin gold layer on a non-magnetic, chemically deposited layer of nickel: min. 2 µm Ni, 0.15 µm Au


AuroDur® gold plating fully satisfies the high mechanical and electrical demands of radio frequency connectors. In contrast to conventional platings, essential characteristics are improved.

Properties:

- High abrasion and corrosion resistance
- Excellent intermodulation
- Low contact resistance
- Very good solderability
- Optimal distribution of layer thickness
- RoHS conform

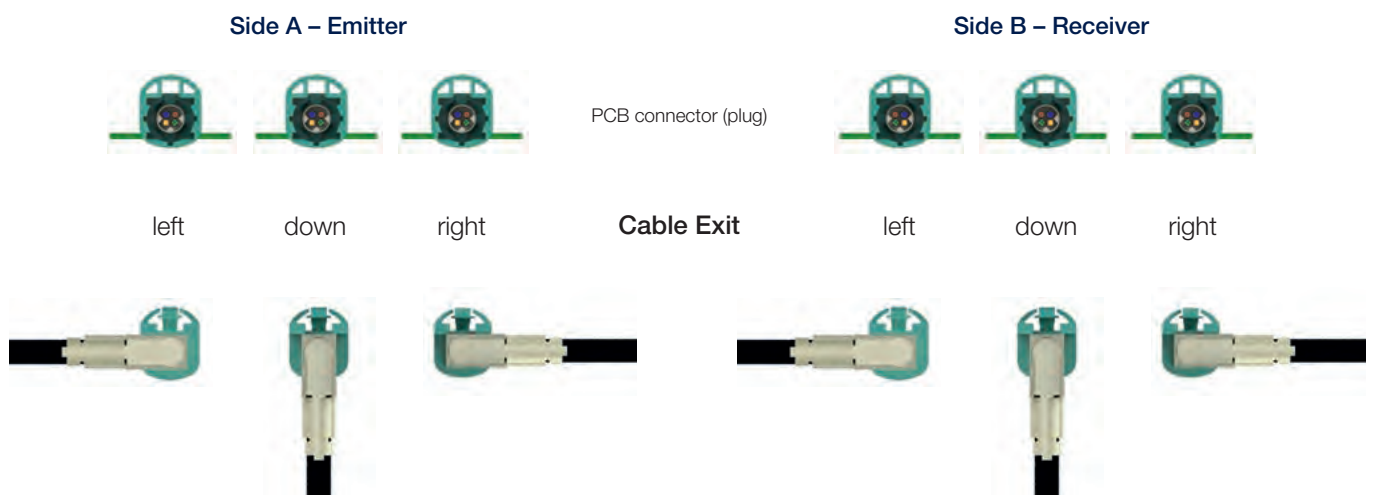
RosenbergerHSD® Codings

Coding RosenbergerHSD®, HSD®t (Cable down, left, right)
HSD®+2, HSD®+4 (Cable down, right)

Coding	Jack	Plug	Color / RAL-No. (similar)
A			Jet black / 9005 
B			Cream white / 9001 
C			Signal blue / 5005 
D			Claret violet / 4004 
E			Leaf green / 6002 
F			Nut brown / 8011 
Z (neutral coding, only for this table)			Water blue / 5021 

Availability of the specific coding on request. Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences due to manufacturing are possible.

Definition Cable Exit down, left, right



Coding RosenbergerHSD®, HSD®t (Cable up)
 HSD®+2, HSD®+4 (Cable up, left)

Coding	Jack	Plug	Color / RAL-No. (similar)
G			Blue gray / 7031
H			Heather violet / 4003
J			Beige / 1001
K			Curry / 1027
L			Yellow green / 6018
M			Pastel orange / 2003
O (neutral coding, only for this table)			Light green / 6027

Availability of the specific coding on request. Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences due to manufacturing are possible.

Definition Cable Exit up

Side A – Emitter

Side B – Receiver



up

Cable Exit


up



PCB connector (plug)



Coding RosenbergerHSD® double 8 mm male

Coding	Jack	Plug	Color / RAL-No. (similar)
A			Jet black / 9005 
B			Cream white / 9001 
C			Signal blue / 5005 
D			Claret violet / 4004 
E			Leaf green / 6002 
F			Nut brown / 8011 
Z (neutral coding, only for this table)			Water blue / 5021 

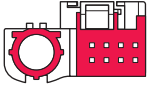
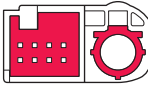


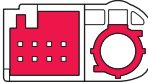

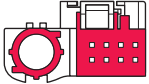
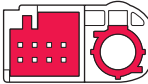

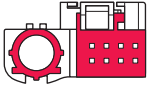
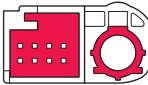

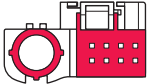
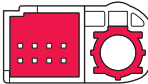

Availability of the specific coding on request. Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences due to manufacturing are possible.

Coding RosenbergerHSD® double 12.7 mm male

Coding	Jack	Plug	Color / RAL-No. (similar)
A (A+B)			Graphite black / 9011
B (B+A)			Cream white / 9001
C (C+D)			Light blue / 5012
D (D+C)			Claret violet / 4004
E (E+F)			May green / 6017
F (F+E)			Nut brown / 8011
Z (Z+Z) (neutral coding, only for this table)			Water blue / 5021

Availability of the specific coding on request. Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences due to manufacturing are possible.

Coding RosenbergerHSD®+8 male

Coding	Jack	Plug	Color / RAL-No. (similar)
A			Graphite black / 9011 
B			Cream white/natural / 9001 
C			Light blue / 5012 
D			Claret violet / 4004 
Z (neutral coding, only for this table)			Water blue / 5021 

Availability of the specific coding on request. Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences due to manufacturing are possible.