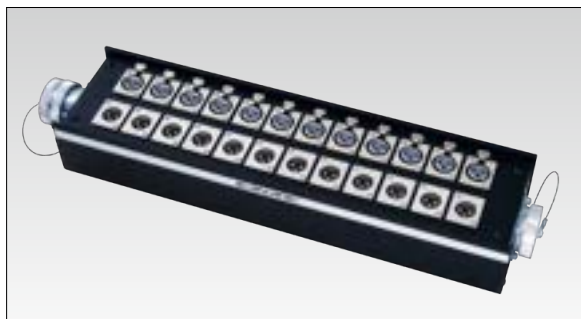


### Snake Trunk



### Junction Box



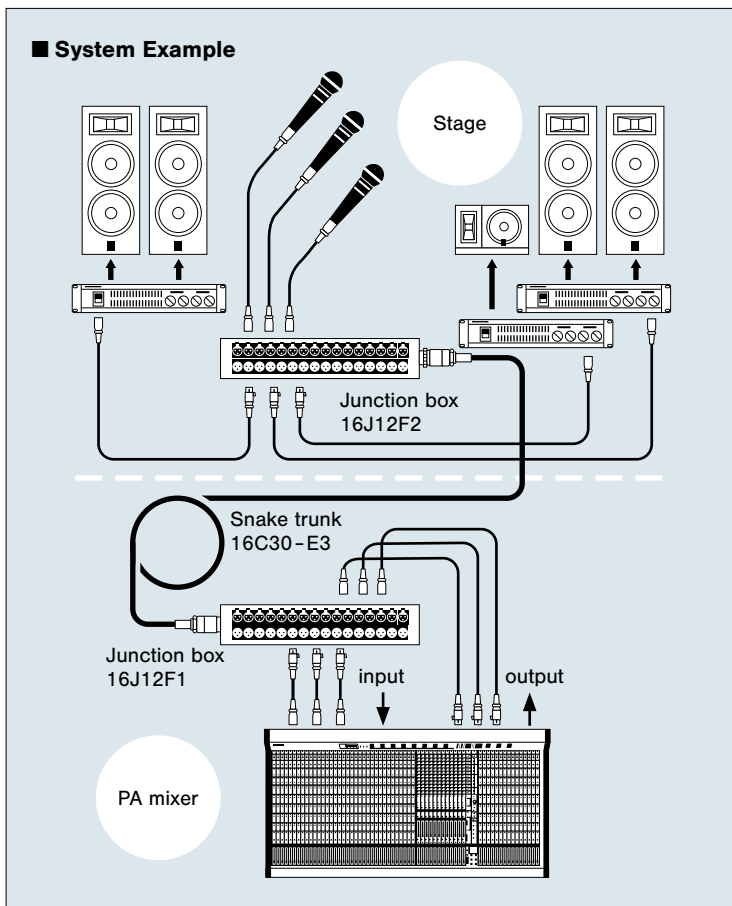
### Fantail



### Cable Reel Snake



### System Example



### Connectors used with Canare multichannel cable system

Cable mount	Panel mount	Cable mount	Panel mount
XLR3-11C (female)	XLR3-32-F77 (male)	XLR3-12C (male)	XLR3-31-F77 (female)
For multichannel cable Plug	For Junction box Receptacle	For multichannel cable Plug	For Junction box Receptacle
NK27-21C-R (female) + NK-AD1-R (barrel extension)	NK27-32S-R (male)	FK37-21C-R (female) + FK-AD2-R (barrel extension)	FK37-32S-R (male)
NK27-22C-R (male) + NK-AD1-R (barrel extension)	NK27-31S-R (female)	FK37-22C-R (male) + FK-AD2-R (barrel extension)	FK37-31S-R (female)
D/MS3106B32A-10S (female) + EB-02 (barrel extension) + D/MS3057-20A(R1) (cable clamp)	D/MS3102A32A-10P (male)	D/MS3106B36-73S (female) + EB-03 (barrel extension) + D/MS3057-24A(R1) (cable clamp)	D/MS3102A36-73P (male)

IP Connectivity Products

Technical Trend

Fiber-Optic Systems

Connectors

Cables



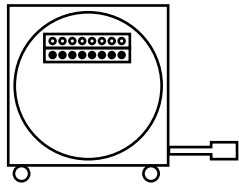
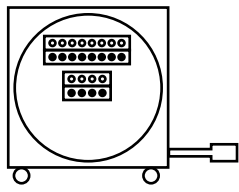
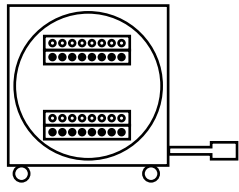
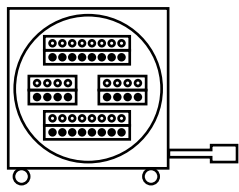




Panels & Patchbays

Multichannel Systems

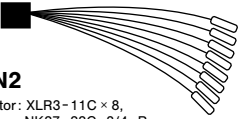
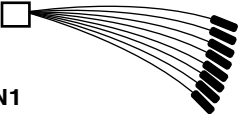


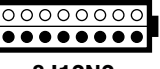
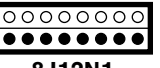
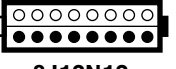
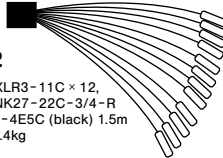
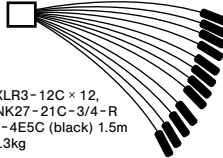
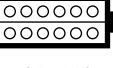
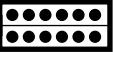
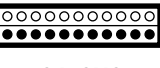
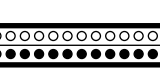
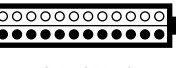
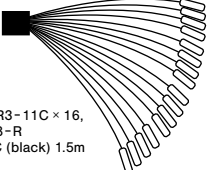
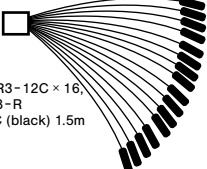
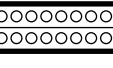
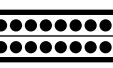
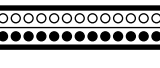
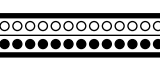
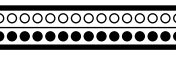
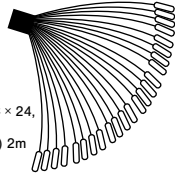
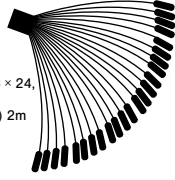
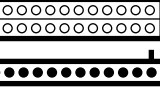
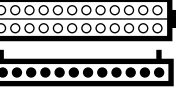
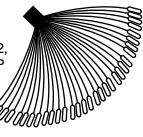
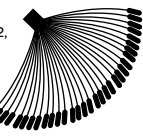
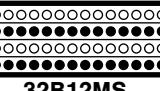
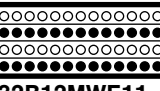
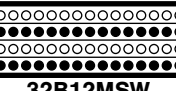
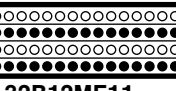
Cable Assemblies

# Multichannel Systems

## Snake Trunks, Cable Reel Snakes

	Snake Trunks	Cable Reel Snakes																																								
8 CH	<p><b>L-4E3</b> Star quad, Braided shield</p>  <p>Connector: NK27-21C 3/4-R, NK27-22C 3/4-R Cable: L-4E3-8P (black) Rubber bushing: AN3420-12(R1) + Heat Shrink Tube</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>8C05-E3</td> <td>5m</td> <td>1.6kg</td> </tr> <tr> <td>8C10-E3</td> <td>10m</td> <td>3.0kg</td> </tr> <tr> <td>8C30-E3</td> <td>30m</td> <td>8.4kg</td> </tr> <tr> <td>8C50-E3</td> <td>50m</td> <td>13.8kg</td> </tr> </tbody> </table>	Model	Length	Weight	8C05-E3	5m	1.6kg	8C10-E3	10m	3.0kg	8C30-E3	30m	8.4kg	8C50-E3	50m	13.8kg	<p><b>M2</b> Two-cord, AT shield</p>  <p>Connector: NK27-21C 3/4-R, NK27-22C 3/4-R Cable: M202-8AT (black) Rubber bushing: AN3420-10(R1), 12(R1) + Heat Shrink Tube</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>8C10-M2</td> <td>10m</td> <td>1.7kg</td> </tr> <tr> <td>8C30-M2</td> <td>30m</td> <td>4.5kg</td> </tr> <tr> <td>8C50-M2</td> <td>50m</td> <td>7.3kg</td> </tr> </tbody> </table>	Model	Length	Weight	8C10-M2	10m	1.7kg	8C30-M2	30m	4.5kg	8C50-M2	50m	7.3kg	 <p>Connector: NK27-21C-3/4-R Cable: L-4E3-8P (black)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> <th>Cable reel</th> </tr> </thead> <tbody> <tr> <td>8R30-E3</td> <td>30m</td> <td>18.1kg</td> <td>R380</td> </tr> <tr> <td>8R50-E3</td> <td>50m</td> <td>23.0kg</td> <td>R380</td> </tr> </tbody> </table>	Model	Length	Weight	Cable reel	8R30-E3	30m	18.1kg	R380	8R50-E3	50m	23.0kg	R380
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24 CH	<p>Connector: &lt;D/MS3106B32A-10S+D/MS3057-20A(R1)&gt; × 2 Cable: L-4E3-24P (black) Rubber bushing: AN3420-20(R1)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>24C05-E3</td> <td>5m</td> <td>4.3kg</td> </tr> <tr> <td>24C10-E3</td> <td>10m</td> <td>7.7kg</td> </tr> <tr> <td>24C30-E3</td> <td>30m</td> <td>21.7kg</td> </tr> <tr> <td>24C50-E3</td> <td>50m</td> <td>35.7kg</td> </tr> </tbody> </table> <p>Extension Cord &lt;D/MS3101A32A-10P+D/MS3057-20A(R1)&gt; × 2 Cable: L-4E3-24P (black)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>24C005-E3MS22</th> </tr> </thead> </table>	Model	Length	Weight	24C05-E3	5m	4.3kg	24C10-E3	10m	7.7kg	24C30-E3	30m	21.7kg	24C50-E3	50m	35.7kg	Model	24C005-E3MS22	<p>Connector: &lt;D/MS3106B32A-10S+D/MS3057-20A(R1)&gt; × 2 Cable: M202-24AT (black) Rubber bushing: AN3420-16(R1), 20(R1) + Heat Shrink Tube</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>24C10-M2</td> <td>10m</td> <td>4.0kg</td> </tr> <tr> <td>24C30-M2</td> <td>30m</td> <td>10.4kg</td> </tr> <tr> <td>24C50-M2</td> <td>50m</td> <td>16.8kg</td> </tr> </tbody> </table>	Model	Length	Weight	24C10-M2	10m	4.0kg	24C30-M2	30m	10.4kg	24C50-M2	50m	16.8kg	 <p>Connector: D/MS3106B32A-10S Cable: L-4E3-24P (black)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> <th>Cable reel</th> </tr> </thead> <tbody> <tr> <td>24R30-E3</td> <td>30m</td> <td>34.6kg</td> <td>R460</td> </tr> </tbody> </table>	Model	Length	Weight	Cable reel	24R30-E3	30m	34.6kg	R460		
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32 CH	<p>Connector: &lt;D/MS3106B36-73S+D/MS3057-24A(R1)&gt; × 2 Cable: M202-32AT (black) Rubber bushing: AN3420-16(R1), 20(R1), 24(R1)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>32C10-M2</td> <td>10m</td> <td>4.8kg</td> </tr> <tr> <td>32C30-M2</td> <td>30m</td> <td>13.1kg</td> </tr> <tr> <td>32C50-M2</td> <td>50m</td> <td>21.0kg</td> </tr> </tbody> </table> <p>Extension Cord &lt;D/MS3101A36-73P+D/MS3057-24A(R1)&gt; × 2 Cable: M202-32AT (black)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>32C005-M2MS22</th> </tr> </thead> </table>	Model	Length	Weight	32C10-M2	10m	4.8kg	32C30-M2	30m	13.1kg	32C50-M2	50m	21.0kg	Model	32C005-M2MS22	<p>Connector: &lt;D/MS3101A36-73P+D/MS3057-24A(R1)&gt; × 2 Cable: M202-32AT (black)</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Length</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>32C10-M2</td> <td>10m</td> <td>4.8kg</td> </tr> <tr> <td>32C30-M2</td> <td>30m</td> <td>13.1kg</td> </tr> <tr> <td>32C50-M2</td> <td>50m</td> <td>21.0kg</td> </tr> </tbody> </table>	Model	Length	Weight	32C10-M2	10m	4.8kg	32C30-M2	30m	13.1kg	32C50-M2	50m	21.0kg	<div style="display: flex; justify-content: space-around;"> <div> <p>Website</p>  <p>Snake Trunk</p> </div> <div> <p>Website</p>  <p>Cable Reel Snakes</p> </div> <div> <p>Website</p>  <p>Fantail</p> </div> <div> <p>Website</p>  <p>Junction Box</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>□ ○ : Female ■ ● : Male</p> </div>													
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Note: Connecting cables 24C005-E3MS22 and 32C005-M2MS22 are to be used to interconnect snake trunks only and they do not mate with our other standard snake system.

Fantails	Junction Boxes		
<p><b>8S1N2</b> Connector: XLR3-11C x 8, NK27-22C-3/4-R Cable: L-4E6S (black) 1.5m Weight: 1.1kg</p>  <p><b>8S2N1</b> Connector: XLR3-12C x 8, NK27-21C-3/4-R Cable: L-4E6S (black) 1.5m Weight: 1.0kg</p> 	<p>Single XLR per channel</p> <p><b>8B1N2</b> Connector: XLR3-31-F77 x 8, NK27-32S-R x 1 Weight: 0.9kg</p>  <p><b>8B2N1</b> Connector: XLR3-32-F77 x 8, NK27-31S-R x 1 Weight: 1.1kg</p> 	<p>Parallel XLR per channel</p> <p><b>8J12N2</b> Connector: XLR3-31-F77 x 8, XLR3-32-F77 x 8, NK27-32S-R x 1 Weight: 1.5kg</p>  <p><b>8J12N1</b> Connector: XLR3-31-F77 x 8, XLR3-32-F77 x 8, NK27-31S-R x 1 Weight: 1.5kg</p> 	<p>Parallel XLR per channel MultiPin feed through</p> <p><b>8J12N12</b> Connector: XLR3-31-F77 x 8, XLR3-32-F77 x 8, wNK27-31S-R x 1, NK27-32S-R x 1 Weight: 1.6kg</p> 
<p><b>12S1N2</b> Connector: XLR3-11C x 12, NK27-22C-3/4-R Cable: L-4E5C (black) 1.5m Weight: 1.4kg</p>  <p><b>12S2N1</b> Connector: XLR3-12C x 12, NK27-21C-3/4-R Cable: L-4E5C (black) 1.5m Weight: 1.3kg</p> 	<p><b>12B1N2</b> Connector: XLR3-31-F77 x 12, NK27-32S-R x 1 Weight: 1.3kg</p>  <p><b>12B2N1</b> Connector: XLR3-32-F77 x 12, NK27-31S-R x 1 Weight: 1.2kg</p> 	<p><b>12J12N2</b> Connector: XLR3-31-F77 x 12, XLR3-32-F77 x 12, NK27-32S-R x 1 Weight: 2.1kg</p>  <p><b>12J12N1</b> Connector: XLR3-31-F77 x 12, XLR3-32-F77 x 12, NK27-31S-R x 1 Weight: 2.1kg</p> 	<p><b>12J12N12</b> Connector: XLR3-31-F77 x 12, XLR3-32-F77 x 12, NK27-31S-R x 1, NK27-32S-R x 1 Weight: 2.2kg</p> 
<p><b>16S1F2</b> Connector: XLR3-11C x 16, FK37-22C-7/8-R Cable: L-4E5C (black) 1.5m Weight: 1.9kg</p>  <p><b>16S2F1</b> Connector: XLR3-12C x 16, FK37-21C-7/8-R Cable: L-4E5C (black) 1.5m Weight: 1.7kg</p> 	<p><b>16B1F2</b> Connector: XLR3-31-F77 x 16, FK37-32S-R x 1 Weight: 1.6kg</p>  <p><b>16B2F1</b> Connector: XLR3-32-F77 x 16, FK37-31S-R x 1 Weight: 1.3kg</p> 	<p><b>16J12F2</b> Connector: XLR3-31-F77 x 16, XLR3-32-F77 x 16, FK37-32S-R x 1 Weight: 2.5kg</p>  <p><b>16J12F1</b> Connector: XLR3-31-F77 x 16, XLR3-32-F77 x 16, FK37-31S-R x 1 Weight: 2.5kg</p> 	<p><b>16J12F12</b> Connector: XLR3-31-F77 x 16, XLR3-32-F77 x 16, FK37-31S-R x 1, FK37-32S-R x 1 Weight: 2.6kg</p> 
<p><b>24S1MS2</b> Connector: XLR3-11C x 24, D/MS3101A32A-10P Cable: L-4E5C (black) 2m</p>  <p><b>24S2MS2</b> Connector: XLR3-12C x 24, D/MS3101A32A-10P Cable: L-4E5C (black) 2m</p> 		<p><b>24B12MS</b> Connector: XLR3-31-F77 x 24 (on top), XLR3-32-F77 x 24 (12 on each side), D/MS3102A32A-10P Weight: 2.7kg</p> 	<p><b>24B12MSW</b> Connector: XLR3-31-F77 x 24 (on top), XLR3-32-F77 x 24 (12 on each side), D/MS3102A32A-10P x 2 Weight: 3.0kg</p> 
<p><b>32S1MS2</b> Connector: XLR3-11C x 32, D/MS3101A36-73P Cable: L-4E5C (black) 2m</p>  <p><b>32S2MS2</b> Connector: XLR3-12C x 32, D/MS3101A36-73P Cable: L-4E5C (black) 2m</p> 		<p><b>32B12MS</b> Connector: XLR3-31-F77 x 32, XLR3-32-F77 x 32, D/MS3102A36-73P Weight: 5.3kg</p>  <p><b>32B12MWF11</b> Connector: XLR3-31-F77 x 32, XLR3-32-F77 x 32, D/MS3102A36-73P x 2, FK37-31S-R x 2 Weight: 6.0kg</p> 	<p><b>32B12MSW</b> Connector: XLR3-31-F77 x 32, XLR3-32-F77 x 32, D/MS3102A36-73P x 2 Weight: 5.5kg</p>  <p><b>32B12MF11</b> Connector: XLR3-31-F77 x 32, XLR3-32-F77 x 32, D/MS3102A36-73P x 1, FK37-31S-R x 2 Weight: 5.7kg</p> 

IP Connectivity Products

Technical Trend

Fiber-Optic Systems

Connectors

Cables

Panels & Patchbays

Multichannel Systems

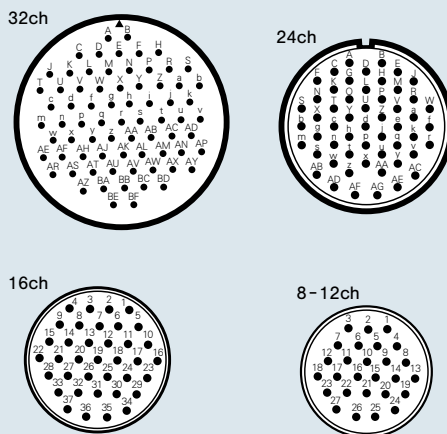
Cable Assemblies

# Multichannel Systems

## Pin Assignments, Reels

### Multichannel Connector Pin Assignments

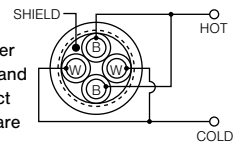
Ch No.	Cable Unit Identification		32ch		24ch		16ch		8ch / 12ch		
	L-4E3	M202	D/MS3102A36-73 D/MS3106B36-73		D/MS3102A32A-10 D/MS3106B32A-10		FK37		NK27		
	Spiral Marker Color	Insulator Color Identifying Color Common Identifying Color	HOT	COLD	HOT	COLD	HOT	COLD	HOT	COLD	
1	RED	RED • WHT	A	B	A	B	1	2	1	3	
2	BLU	BLU •	C	D	C	D	3	4	4	5	
3	YEL	YEL •	F	H	F	G	5	6	6	7	
4	GRN	GRN •	J	K	H	J	8	9	8	9	
5	BRN	BRN •	L	M	K	L	10	11	11	12	
6	N/A	GRY •	N	P	N	O	12	13	13	14	
7	BLU • BLK	BLU • BLK	R	S	P	R	14	15	15	16	
8	YEL • BLK	YEL •	T	U	S	T	16	17	17	18	
9	GRN • BLK	GRN •	V	W	U	V	21	22	19	20	
10	BRN • BLK	BRN •	Y	Z	X	Y	23	24	22	23	
11	BLK	GRY •	a	b	Z	a	25	26	24	25	
12	BLU • ORN	BLU • ORN	c	d	b	c	27	28	26	27	
13	YEL • ORN	YEL •	f	g	d	e	29	30	SHIELD		
14	GRN • ORN	GRN •	h	i	g	h	32	33	10		
15	BRN • ORN	BRN •	j	k	j	k	34	35			
16	ORN	GRY •	m	n	m	n	36	37			
17	BLU • PNK	BLU • PNK	u	v	p	q	SHIELD				
18	YEL • PNK	YEL •	w	x	s	t	19				
19	GRN • PNK	GRN •	y	z	u	v					
20	BRN • PNK	BRN •	AA	AB	w	x					
21	PNK	GRY •	AC	AD	AB	z					
22	BLU • WHT	BLU • RED	AE	AF	AA	AC					
23	YEL • WHT	YEL •	AH	AJ	AD	AF					
24	GRN • WHT	GRN •	AL	AM	AG	AE					
25	—	BRN •	AN	AP	SHIELD						
26	—	GRY •	AR	AS	E						
27	—	YEL • BLU	AT	AU							
28	—	GRN •	AV	AW							
29	—	BRN •	AX	AY							
30	—	GRN • YEL	AZ	BA							
31	—	BRN •	BC	BD							
32	—	GRY •	BE	BF							
			SHIELD								
			E	q	t						
			X	r	AK						
			p	s	BB						



#### ■ Connection Method

##### L-4E3 Types:

Identify the channel number by the color of the spiral marker on the inner jacket (gray). The unit is 4-core construction and the insulator colors are blue, blue, white, and white. Connect these with the same colored cores, so that the blue cores are connected to Hot and the white cores to Cold.



##### M202 Types:

The unit is 2-core construction, with the channel number identified by the insulator color (a combination of the identifying color and common identifying color). Connect the identifying color core to Hot, and the common identifying color core to Cold.

#### ■ Connections to XLR Connectors

Polarity	HOT	COLD	SHIELD
Pin No.	2	3	1

## Lightweight Cable Reels

### Lightweight plastic cable reels made by Schill™

Model	Flange Dim.	Description	Weight
RGT310.RM	310 mm	with auxiliary reel	1.8 kg
RGT380.RM	380 mm		4.8 kg
RGT310.MFK	310 mm	with latching door	1.4 kg
RGT380.MFK	380 mm		4.3 kg

Color: dark blue

- Canare and Schill™ collaboration
- \*Schill™ is a trademark of Schill GmbH & Co. KG
- Easy to carry around
- High quality resin: durable, weatherproof and lightweight.
- Locking brake
- Latching door type (MFK) allows you to store cable connector inside reel.
- Canare special colored flange
- Rough estimate of maximum cable lengths (cable O.D.)
- RGT310: L-4E6S 120 m (6 mm)
- RGT380: L-5CFW 130 m (7.7 mm)
- RJC6A-4P-SFM 110m (8.6 mm)
- LF-2SM9N 100m (9.2 mm)



RGT310.RM

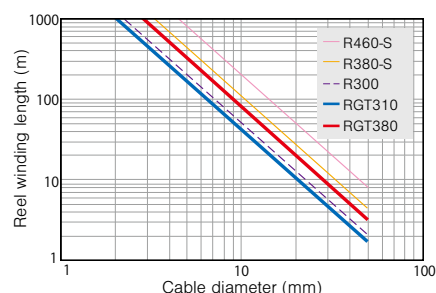
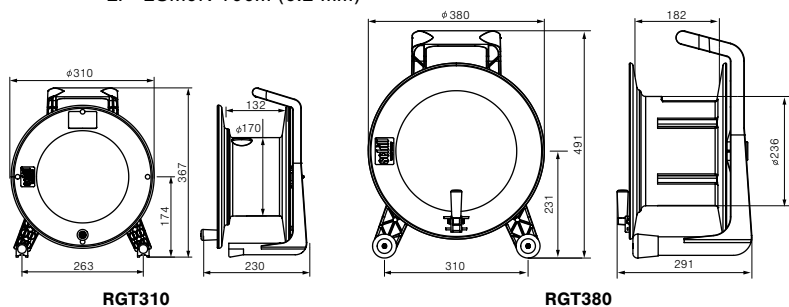


RGT380.MFK



RGT380.MFK  
door open

Website



**Cable Reels**

**Dependable cable reels Dependable steel reels with 3-speed brake**

Model	Flange Dim.	Description	Feature	Weight
<b>R300-S</b>	300 mm	with auxiliary reel	stackable	4.6 kg
<b>R380-S</b>	380 mm		w/caster	8.3 kg
<b>R460-S</b>	460 mm		w/caster	9.9 kg
<b>R300</b>	300 mm	cable hole on hub (no exit)	stackable	4.3 kg
<b>R300-L</b>	300 mm	connector trench on hub (no holes)	stackable	4.4 kg
<b>R300-CN</b>	300 mm	XLR3 receptacles on hub and flange	stackable	4.6 kg
<b>R300-BN</b>	300 mm	BNC receptacles on hub and flange	stackable	4.6 kg

Color: black

- 3-speed brake : lock/soft/free
- Oilless bearing
- Tubular steel E brace construction
- Parallel wired M & F XLR3s for genderless connection (R300-CN)

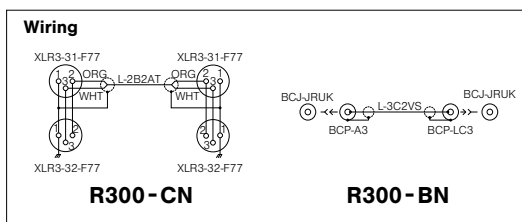
Website



**R460-S**



**R300-S**



3-speed brake

**Reels with Cable Assemblies**

**Cable reels with detachable cables**

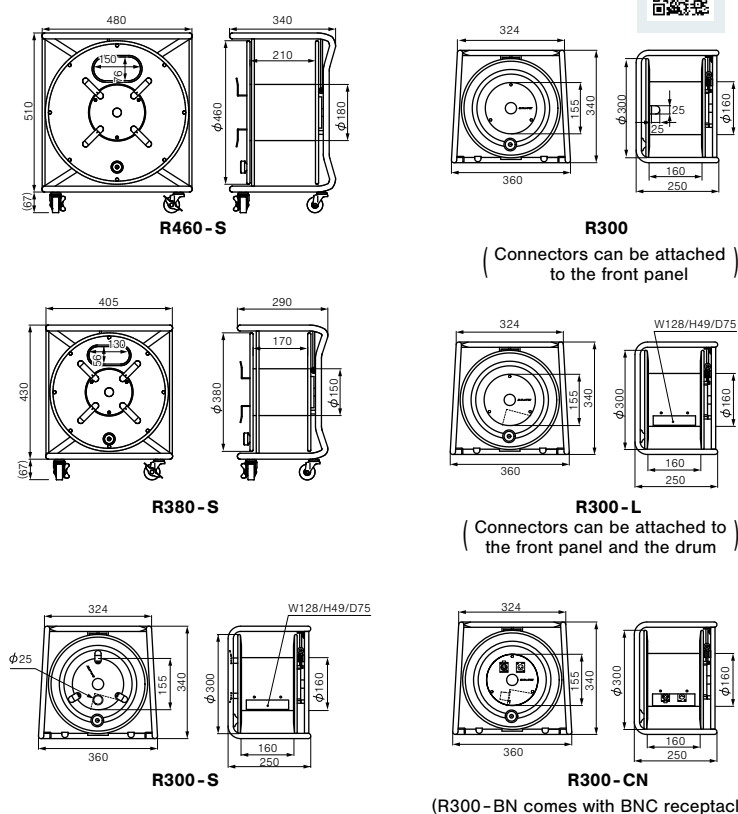
Model	Cable reel	Description			Weight (kg)
		Inner end	Cable	Outer end	
<b>CR100-CN</b>	R300-CN	XLR3-12C	L-4E6S(100m)	XLR3-11C	9.6
<b>CR100-S</b>	R300-S	XLR3-12C	L-4E6S(100m)	XLR3-11C	9.6
<b>CR90-BN</b>	R300-BN	BCP-H5B	L-5C2VS(90m)	BCP-H5B	10.5

Website



**CR100-CN**

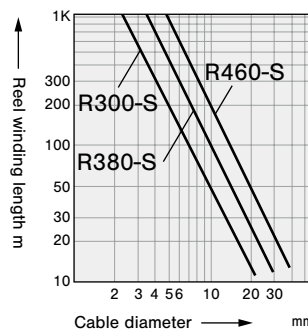
**Dimensions**



(Connectors can be attached to the front panel)

(Connectors can be attached to the front panel and the drum)

(R300-BN comes with BNC receptacles)



**Cable winding length reference chart**

<Wind length conversion formula>

$$R300-S \text{ (S, L, CN)} \quad L = \frac{8448}{D^2} \times 0.6 \text{ (m)} \quad R460-S \quad L = \frac{33852}{D^2} \times 0.6 \text{ (m)}$$

$$R380-S \quad L = \frac{18207}{D^2} \times 0.6 \text{ (m)} \quad \begin{matrix} D: \text{cable outer diameter (mm)} \\ L: \text{wind length} \end{matrix}$$

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