

Slip Ring Configuration
Electrical Slip Ring
Outer Section

Outer Section (Electrical Slip Ring)								
Cable No.	Ring No.	System	Type	Voltage / Current	Cable type	Stationary Side From	Rotating Side To	Responsible for specifications
1	1	Show Lights, AV and general power	Power	132A / 400 V AC / 50Hz	95 mm² / Wire L1	Power distribution cabinet rear stage	Power distribution cabinets AV/General power/Lights on the revolve	Electrical Contractor
	2				95 mm² / Wire L2			
	3				95 mm² / Wire L3			
	4				95 mm² / Wire N			
	5				35 mm² CU / Wire PE			
2	6	Stage Machinery	Power		35 mm² CU / Wire PE	Power distribution cabinet stage machinery rear stage	Power distribution cabinet stage machinery revolve	Stage Machinery Contractor
3	7	Stage Machinery	Power	?A / 400 V AC / 50Hz	5G? mm² / Wire L1	Power distribution cabinet stage machinery rear stage	Power distribution cabinet stage machinery revolve	Stage Machinery Contractor
	8				5G? mm² / Wire L2			
	9				5G? mm² / Wire L3			
	10				5G? mm² / Wire N			
	11				5G? mm² / Wire PE			
4	12	Stage Machinery	Control Signal	24 V DC	12G1.5 / Wire 1	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	13				12G1.5 / Wire 2			
	14				12G1.5 / Wire 3			
	15				12G1.5 / Wire 4			
	16				12G1.5 / Wire 5			
	17				12G1.5 / Wire 6			
	18				12G1.5 / Wire 7			
	19				12G1.5 / Wire 8			
	20				12G1.5 / Wire 9			
	21				12G1.5 / Wire 10			
	22				12G1.5 / Wire 11			
	23				12G1.5 / Wire 12			
5	24	Stage Machinery	CAN Bus	2,5 V / 24 V DC	2x2x0,22 mm² / Wire 1-Pair 1 (CAN-High)	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	25				2x2x0,22 mm² / Wire 2-Pair 1 (CAN-Low)			
	26				2x2x0,22 mm² / Wire 1-Pair 2 (GND/0V))			
	27				2x2x0,22 mm² / Wire 2-Pair 2 (V+/VCC)			
	28				2x2x0,22 mm² / Wire 1 PE			
6	25	Stage Machinery	CAN Bus	2,5 V / 24 V DC	2x2x0,22 mm² / Wire 1-Pair 1 (CAN-High)	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	26				2x2x0,22 mm² / Wire 2-Pair 1 (CAN-Low)			
	27				2x2x0,22 mm² / Wire 1-Pair 2 (GND/0V))			
	28				2x2x0,22 mm² / Wire 2-Pair 2 (V+/VCC)			
	29				2x2x0,22 mm² / Wire 1 PE			

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7	30	Stage Machinery	CAN Bus	2,5 V / 24 V DC	2x2x0,22 mm² / Wire 1-Pair 1 (CAN-High)	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	31				2x2x0,22 mm² / Wire 2-Pair 1 (CAN-Low)			
	32				2x2x0,22 mm² / Wire 1-Pair 2 (GND/0V))			
	33				2x2x0,22 mm² / Wire 2-Pair 2 (V+/VCC)			
	34				2x2x0,22 mm² / Wire 1 PE			
8	35	Stage Machinery	CAN Bus	2,5 V / 24 V DC	2x2x0,22 mm² / Wire 1-Pair 1 (CAN-High)	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	36				2x2x0,22 mm² / Wire 2-Pair 1 (CAN-Low)			
	37				2x2x0,22 mm² / Wire 1-Pair 2 (GND/0V))			
	38				2x2x0,22 mm² / Wire 2-Pair 2 (V+/VCC)			
	39				2x2x0,22 mm² / Wire 1 PE			

Inner Core - Optical Multimode (Optical Rotary Joint)							
Cable No.	Fibre No.	System	Type	Cable type	Sationary Side Device	Rotating Side Device	Responsible for specifications
1	1	AV	Optical (Fibre Optic Rotary Joint)	OM3 50/125 duplex / Fibre 1 (A / Tx)	AV network cabinet rear stage (12 x duplex LC in fibre patch panel)	AV network rack revolve (12 x duplex LC in fibre patch panel)	AV contractor
	2			OM3 50/125 duplex / Fibre 2 (B / Rx)			
2	3			OM3 50/125 duplex / Fibre 3 (A / Tx)			
	4			OM3 50/125 duplex / Fibre 4 (B / Rx)			
3	5			OM3 50/125 duplex / Fibre 5 (A / Tx)			
	6			OM3 50/125 duplex / Fibre 6 (B / Rx)			
4	7			OM3 50/125 duplex / Fibre 7 (A / Tx)			
	8			OM3 50/125 duplex / Fibre 8 (B / Rx)			
5	9			OM3 50/125 duplex / Fibre 9 (A / Tx)			
	10			OM3 50/125 duplex / Fibre 10 (B / Rx)			
6	11			OM3 50/125 duplex / Fibre 11 (A / Tx)			
	12			OM3 50/125 duplex / Fibre 12 (B / Rx)			
7	13			OM3 50/125 duplex / Fibre 13 (A / Tx)			
	14			OM3 50/125 duplex / Fibre 14 (B / Rx)			
8	15			OM3 50/125 duplex / Fibre 15 (A / Tx)			
	16			OM3 50/125 duplex / Fibre 16 (B / Rx)			
9	17			OM3 50/125 duplex / Fibre 17 (A / Tx)			
	18			OM3 50/125 duplex / Fibre 18 (B / Rx)			
10	19			OM3 50/125 duplex / Fibre 19 (A / Tx)			
	20			OM3 50/125 duplex / Fibre 20 (B / Rx)			
11	21			OM3 50/125 duplex / Fibre 21 (A / Tx)			
	22			OM3 50/125 duplex / Fibre 22 (B / Rx)			
12	23			OM3 50/125 duplex / Fibre 23 (A / Tx)			
	24			OM3 50/125 duplex / Fibre 24 (B / Rx)			
13	25			OM3 50/125 duplex / Fibre 25 (A / Tx) – spare			
(spare)	26			OM3 50/125 duplex / Fibre 26 (B / Rx) – spare			
14	27			OM3 50/125 duplex / Fibre 27 (A / Tx) – spare			
(spare)	28			OM3 50/125 duplex / Fibre 28 (B / Rx) – spare			
15	29			OM3 50/125 duplex / Fibre 29 (A / Tx) – spare			
(spare)	30			OM3 50/125 duplex / Fibre 30 (B / Rx) – spare			
16	31			OM3 50/125 duplex / Fibre 31 (A / Tx) – spare			
(spare)	32			OM3 50/125 duplex / Fibre 32 (B / Rx) – spare			

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Cable No.	Fibre No.	System	Type	Cable type	Sationary Side Device	Rotating Side Device	Responsible for specifications
1	1	Stage Machinery	Optical (Fibre Optic Rotary Joint)	9/125 duplex / Fibre 1 (A / Tx)	Network cabinet stage machinery rear stage	Network cabinet stage machinery revolve	Stage Machinery Contractor
	2			9/125 duplex / Fibre 2 (B / Rx)			
2	3			9/125 duplex / Fibre 3 (A / Tx) - spare			
(spare)	4			9/125 duplex / Fibre 4 (B / Rx) - spare			
3	5			9/125 duplex / Fibre 5 (A / Tx) - spare			
(spare)	6			9/125 duplex / Fibre 6 (B / Rx) - spare			