



## CONSTRUCTION

ITEMS	POWER PAIR	FIBER OPTIC	DATA PAIR(2X28AWG)
Conductor	Silver-plated Copper/Alloy conductor	-	Silver-plated Copper/Alloy conductor
Conductor insulation	High performance composite materials	-	High performance composite materials
Color	Black/red	-	Blue/White(other)
Core	-	8μm	-
Cladding O.D	-	125μm	-
Mode type	-	Single(900μm)	-
Max Optical Loss (1310nm)	-	0.35dB/km	-
Max Optical Loss (1550nm)	-	0.20dB/km	-
Inner protect	Weather-proof Barrier		
Outer jacket	Aviation reinforced fiber weaving		
Jacket color	Black		

## MECHANICAL

SIZE	CONDUCTOR DC RESISTANCE (20 OC)	MINIMUM BENDING RADIUS	REGULAR WEIGHT PER METER	CONVENTIONAL FINISHED OUTER DIAMETER	FINISHED TENSILE STRENGTH
2x16AWG	1.20hm/100m	50mm	40g/m	4.5mm	500N
2X20AWG	3.80hm/100m	30mm	16g/m	3.0mm	200N
2x24AWG	90hm/100m	28mm	10g/m	2.8mm	200N
2X26AWG	180hm/100m	26mm	8g/m	2.6mm	100N
2x28AWG	250hm/100m	25mm	6.5g/m	2.5mm	100N

\*Parameters are based on a single fiber

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ITEMS	POWER PAIR	FIBER OPTIC	DATA PAIR
Operating Voltage	1000V DC	-	24V DC
Testing Voltage	3000V(60s)	-	100V DC
Operating temperature ℃	-45 ~ +85		
Temperature Range ℃	-60~+200	-60~+85	-60~+200