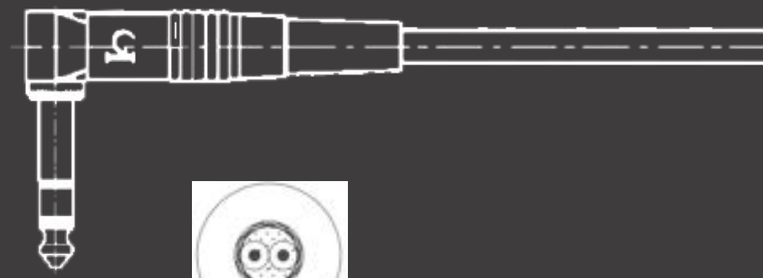
BALANCED CABLE COMPARISON



PRODUCT			
Part Number	IO-A12416-500SP	IO-A12326-500SP	IO-A12626-500SP
Series Name	B100	B500	B1000
Number of Conductors	2 plus shield	2 plus shield	2 plus 2 shields
CONDUCTORS			
Details	20/0.12mm BC OFC	60/0.08mm BC OFC	25/0.08mm Bare OFC
Size	24 AWG	23 AWG	26 AWG
INSULATION			
Material	PE	XLPE	XLPE
Colors	Red and White	Blue and White	Blue and White
SHIELD	Spiraled 60/0.12 BC OFC	Braided 16*9/0.10 TC	Braided TC & Aluminum Foil 16*5/0.10 OFC
JACKET			
O.D.	6.0mm	6.0mm	6.0mm
Material	PVC	PVC	PVC
Color	Black	Black	Black
ELECTRICAL AND MECHANICAL CHARACTERISTICS			
Conductor DC Resistance (ohm/m)	0.075 +/- 5%	0.062 +/- 1%	0.152 ± 1%
Shield DC Resistance (ohm/m)	0.025 +/- 1%	0.021 +/- 1%	0.035 ± 1%
Capacitance Between Conductors (pF/ft)	≤ 14.3	≤ 15.4	≤ 14.4
Capacitance Between Conductors and Shield (pF/ft)	≤ 24.9	≤ 27.6	≤ 27.1
Voltage Breakdown	300V	300V	500V
Flex Life	> 17,700	> 17,700	> 17,700
Tensile Strength	> 656.2N	> 923N	≥ 199 N
Applicable Temperature	-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +60°C (-4°F ~ +140°F)
Peak Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)