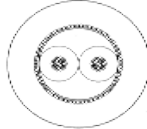


**SPECIFICATIONS**

Configuration				
<b>Part No.</b>		<b>W3159</b>	<b>W3228</b>	<b>W3080</b>
<b>No. of Conductor</b>		2	2	2
<b>Conductor</b>	Details	7/0.20A (7×#32AWG)	36/0.08OFC (36×#40AWG)	7/0.18A (7×#33AWG)
	Size	0.22mm <sup>2</sup> (#24AWG)	0.18mm <sup>2</sup> (#25AWG)	0.178mm <sup>2</sup> (#25AWG)
<b>Insulation</b>	Ov. Dia. (mm)	1.35Ø (0.053")	1.35Ø (0.053")	1.36Ø (0.054")
	Material	CPP	XLPE	XLPE
	Colors	Red/Light green	Red/Clear	Red/Clear
<b>Mono-filament Filler</b>	Ov. Dia. (mm)	-	-	-
	Material	-	Cotton	-
<b>Drain Wire</b>	Details	7/0.20A (7×#32AWG)	-	7/0.18A (7×#33AWG)
	Size	0.22mm <sup>2</sup> (#24AWG)	-	0.178mm <sup>2</sup> (#25AWG)
<b>Served Shield</b>		Approx. 79/0.10A (Approx. 79/#39AWG)	Approx. 98/0.10A (Approx. 98/#39AWG)	Approx. 60/0.12A (Approx. 60/#37AWG)
<b>Ov. Jacket</b>	Ov. Dia. (mm)	3.2Ø (0.126"Ø)	4.8Ø (0.189"Ø)	5.0±0.3Ø (0.197±0.0118"Ø)
	Material	PVC	PVC	Flexible PVC
	Color	Black/Gray	Black	Black / Blue
<b>Roll Sizes</b>		50m (164 Ft) / 100m (328Ft) / 200m (656Ft)		
<b>Weight</b>		2kg/100m Roll	3kg/100m Roll	3.3kg/100m Roll

**ELECTRICAL & MECHANICAL CHARACTERISTICS**

Part No.		W3159	W3228	W3080
<b>DC Resistance at 20°C</b>	Inner Cond.	0.081Ω/m(0.0247Ω/Ft)	0.1Ω/m(0.031Ω/Ft)	0.11Ω/m(0.034Ω/Ft)
	Shield Cond.	0.024Ω/m(0.0073Ω/Ft)	0.025Ω/m(0.0076Ω/Ft)	0.028Ω/m(0.0085Ω/Ft)
<b>Capacitance at 1kHz, 20°C</b>		46pF/m	53pF/m	46pF/m
<b>(effective capacitance value between inner twin)</b>		(14pF/Ft)	(16pF/Ft)	(14pF/Ft)
<b>Inductance</b>		0.8μH/m (0.24μH/Ft)	0.8μH/m (0.24μH/Ft)	1.0μH/m (0.31μH/Ft)
<b>Characteristic Impedance</b>		110Ω±10%	110Ω±5%	110Ω±5%
<b>Attenuation (6MHz)</b>		0.065dB/m (0.020db/Ft)	0.069dB/m (0.021db/Ft)	0.069dB/m (0.021db/Ft)
<b>Phase Constant (6MHz)</b>		0.17rad/m	0.20rad/m	0.20rad/m
<b>Electrostatic Noise*</b>		50mV Max.		
<b>Electromagnetic Noise at 10kHz*</b>		2.0mV Max.		
<b>Microphonics**</b>		60mV	40mV Max.	40mV Max.
<b>Voltage Breakdown</b>		Must withstand at DC 500V/15sec, 20°C		
<b>Insulation Resistance</b>		10000 MΩ × m Min. at DC 250V, 20°C		
<b>Flex Life*</b>		2,900 cycles	33,000 cycles	10,000 cycles
<b>Tensile Strength</b>		303N	441N	343N
<b>Emigration</b>		Non-Emigrant to ABS resin		
<b>Applicable Temperature</b>		-20°C ~ +60°C(-4°F ~ +140°F)		
<b>Standard</b>		AES3-100X (ANSI S. 4. 40-199-X) EBU Rech, 3250-E CEI / IEC 958 / CCIR Rec. 647	AES3-100X (ANSI S. 4. 40-199-X) EBU Rech, 3250-E CEI / IEC 958 / CCIR Rec. 647 UL AWM 2623, 30V, 80°C, VW-1	AES3-100X (ANSI S. 4. 40-199-X) EBU Rech, 3250-E CEI / IEC 958 / CCIR Rec. 647

\* Using standard testing method of Mogami Wire & Cable Corp.