

TECHNICAL DATA – XX Series Black

Electrical

Contact resistance: $\leq 3 \text{ m Ohm}$

Insulation resistance

- initial: $> 2 \text{ G Ohm}$

- after damp heat test: $> 1 \text{ G Ohm}$

Dielectric strength: 1500 V dc

Rated current: 16 A

AWG: $2.5 \text{ mm}^2/14 \text{ AWG}$

Capacitance between contacts: $\leq 4 \text{ pF}$

Mechanical

Lifetime: $>1000 \text{ cycles}$

Insertion / withdrawal force: $\leq 20 \text{ N}$

Cable O.D. range: $3.5 \text{ mm} - 8.0 \text{ mm}$

Materials

Shell: Zinc diecast ZnAl4Cu1, gal Cr over Cu plating

Insert: Polyamide PA 6.6 30% GR (glass reinforced)

Contacts: Bronze CuSn6

Contact surface: gal $0.2 \text{ }\mu\text{m}$ Au hard alloy over $2 \text{ }\mu\text{m}$ Ni

Latch lock (female): St3K32

Strain-relief clamp: POM

Antikink bushing: PA + PU

Environmental

Temperature range: -30° C to $+ 80^\circ \text{ C}$

Flammability: UL 94HB

Solderability: complies with IEC 68-2-20

Compatibility:

IEC 61076-2-103 standard & Switchcraft® QG & Cannon XLR