**Shieldex® Bremen IR**

- **Purpose:** IR reflective and IR defusing conductive woven fabric used in military applications
- **IR reduction:** 80 - 90%
- **Description:** Silver (Ag) plated Nylon ripstop fabric.
- **Raw material:** Nylon ripstop fabric
- **Surface Resistivity:** < 0.5 Ohms / □
- **RF Shielding Effectiveness:** Average 60 dB from 30Mhz to 10Ghz
- **Abrasion Resistance:** 1,000,000 Cycles
- **Temperature Range:** -40°C to 100°C / -40°F to 212°F
- **Total Thickness:** 0.003” (0.090mm) ± 12%
- **Number of Splices:** 1/98 Lm nominal
- **Weight:** 42 g/m² ± 10%
- **Roll Widths:** 52” (132 cm) ± 1.5”
- **Master Roll Lengths:** Average 100 Lm / 109 Lyd

**PRODUCT APPLICATION EXAMPLES**

- IR signature reducing garments
- IR camouflage for large equipment
- Thermal reflector
- Tents & tarps
- Equipment covers

**Accreditations:**
- RoHS: Compliant
- Reach: Compliant
- Acc. ISO 9001:2000

**Technical Application Guide**

- **Purpose:** IR reflective and IR defusing conductive woven fabric used in military applications
- **IR reduction:** 80 - 90%
- **Description:** Silver (Ag) plated Nylon ripstop fabric.
- **Raw material:** Nylon ripstop fabric
- **Surface Resistivity:** < 0.5 Ohms / □
- **RF Shielding Effectiveness:** Average 60 dB from 30Mhz to 10Ghz
- **Abrasion Resistance:** 1,000,000 Cycles
- **Temperature Range:** -40°C to 100°C / -40°F to 212°F
- **Total Thickness:** 0.003” (0.090mm) ± 12%
- **Number of Splices:** 1/98 Lm nominal
- **Weight:** 42 g/m² ± 10%
- **Roll Widths:** 52” (132 cm) ± 1.5”
- **Master Roll Lengths:** Average 100 Lm / 109 Lyd

**Before IR Garment**

- **After IR Garment**

**Accreditations:**
- RoHS: Compliant
- Reach: Compliant
- Acc. ISO 9001:2000