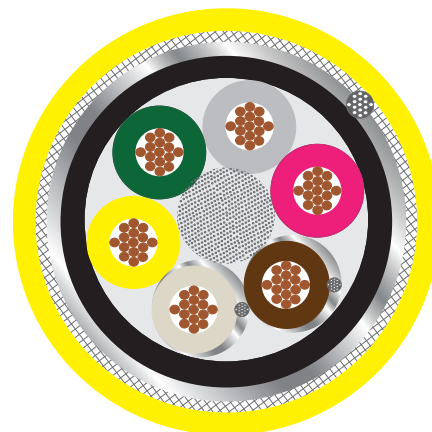


Special Cable KW5

The Special Cable KW5 connects the Flame Scanner with the Flame Amplifier. The special shield combination made of copper braiding and metal foil offers highly efficient protection against electrical, electrostatic and electromagnetic fields.

The Special Cable made of thermoplastic polyetherpolyurethane has excellent resistance to hydrolysis, flexibility at low temperatures and resistance to microorganisms as well as high resistance to oils, fats, oxygen and ozone.

It also has high wear and abrasion resistance as well as high tensile strength and excellent tear resistance.



SSL2H(St+C)11Y 2x0,5AiMF+4x0,5mm²

1 | Technical data

Nominal voltage	U/U ₀	300/500 V
Test voltage	wire/wire	3 kV/1 min
Isolation resistor	at +20 °C	min. 20 MΩxkm
Conductor resistor	at +20 °C	max. 39 Ω/km
Capacity	wire/wire wire/shield (4x0.5) wire/shield (WiMF)	< 60 pF/m < 180 pF/m < 90 pF/m
Inductance	wire/wire wire/shield	< 0,6 μH/m < 0,5 μH/m
Continuous temperature range	flexible use fixed installation	-30 °C to +90 °C -40 °C to +90 °C
Smallest bending radius	flexible use fixed installation one time ring winding	14 × D 9 × D 5 × D

2 | Construction

Conductors	CU-ETP1 in accordance with DIN EN 13602 16 × 0.2 mm blank
Wire isolation	PP in accordance with UL 1581 Table 50:139 halogen free
Wire colors	white, brown, pink, green, yellow, grey
Wire cross-section	0.5 mm ²
Single shielding (wh, br)	7 × 0.25 mm tinned
Overall shielding	Cu-braid tinned, opt. tightness approx. 85 %
Outer jacket	PUR
Color	yellow
Outer diameter	10.8 mm ± 0.3 mm
Weight	approx. 0.15 kg/m

3 | Standards

Flame retardancy in accordance with IEC 60332-1-2

Oil resistance in accordance with EN 60811-2-1