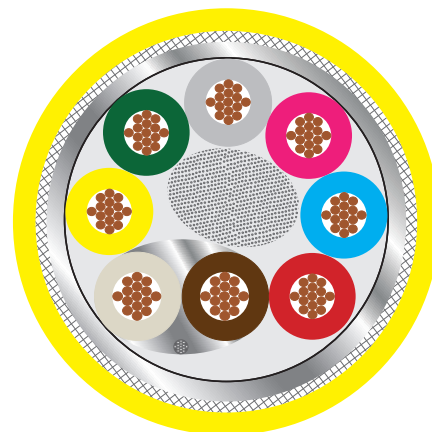


Special Cable KW6

The Special Cable KW6 connects the Compact Flame Controller with the burner management. 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 polyether-polyurethane 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.



KWLI-2Y(St+C)11Y 1x2x0,5PiMF+3x2x0,5

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	< 70 pF/m
	wire/shield	< 140 pF/m
Inductance	wire/wire	< 0,6 μH/m
	wire/shield	< 0,4 μH/m
Continuous temperature range	flexible use	-30 °C to +80 °C
	fixed installation	-40 °C to +80 °C
Smallest bending radius	flexible use	14 × D
	fixed installation	9 × D
	one time ring winding	5 × D

*According to DIN VDE 0298 and IEC 183 the cables are specified U₀/U, where
U₀ = cable nominal voltage between the conductor and the metal covering or earth
U = cable nominal voltage between the phase conductors, for 3-phase U = √3 U₀

2 | Construction

Conductors	CU-ETP1 in accordance with DIN EN 136902 16 × 0.2 mm blank
Wire isolation	PP in accordance VDE 0207 halogen free
Wire colors	white, brown, pink, green, yellow, grey, blue, red
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	10.7 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