



Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material
PCB
PlasticsUltra-small strain
High temp.
Low temp.

High elongation


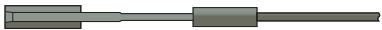





Non-
magnetoiresistiveHydrogen gas
BendingWith protector
Embedded

Crack

Adhesive
Coating agentCustom-
designed

Encapsulated Gages (KHCX, KHCV, KHCR, KHCS, KHCM, and KHC)

The specifications on this page are the reference values and may be changed on operating conditions.

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm)		Remarks
		Gage length	Flange Length Width	
950°C (Static/dynamic) ●KHCX Encapsulated Gage Uniaxial, 2-element, temperature-compensation type 	Resistance: 120Ω Gage factor (950°C): Approx. 1.5 Material: NCF 600 Recommended amplifier: UCAM-550A, CDV Installation Method and Operating Temperature Spot welding, -196 to 950°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHCX-10-120-G13-11 C2MV KHCX-10-120-G13-13 C2MV	10	20 3	Min. radius of curvature R75
800°C (Dynamic) ●KHCV Encapsulated Gage Uniaxial, 1-element 	Resistance: 120Ω Gage factor (800°C): Approx. 1.2 Material: NCF 600 Installation Method and Operating Temperature Spot welding, 25 to 800°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHCV-5-120-G17 C2MV	5	10 3	Min. radius of curvature R15
750°C (Static/dynamic) ●KHCR Encapsulated Gage Uniaxial, 2-element, temperature-compensation type 	Resistance: 120Ω Gage factor (750°C): Approx. 1.2 Material: NCF 600 Installation Method and Operating Temperature Spot welding, 25 to 750°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHCR-5-120-G16-11 C2MV KHCR-5-120-G16-13 C2MV KHCR-5-120-G16-16 C2MV	5	10 3	Min. radius of curvature R15
750°C (Static/dynamic) ●KHCS Encapsulated Gages Uniaxial, 2-element, temperature-compensation type 	Resistance: 120Ω Gage factor (750°C): Approx. 1.7 Material: NCF 600 Installation Method and Operating Temperature Spot welding, -196 to 750°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHCS-10-120-G12B-11 C2MV KHCS-10-120-G12B-13 C2MV KHCS-10-120-G12B-16 C2MV	10	20 3	Min. radius of curvature R20
650°C (Static/dynamic) ●KHCM Encapsulated Gages Uniaxial, 2-element, temperature-compensation type Resistance: 120Ω Gage factor (650°C): Approx. 1.8 for gage length 10 mm Approx. 1.4 for gage length 5 mm Material: NCF 600 	Installation Method and Operating Temperature Spot welding, -196 to 650°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHCM-10-120-G15-(11, 13, 16) C2MV KHCM-5-120-G15-(11, 13, 16) C2MV	10 5	20 10 3 3	Min. radius of curvature R20 Min. radius of curvature R15
550°C (Dynamic) 500°C (Static) ●KHC Encapsulated Gage Uniaxial, 2-element, temperature-compensation type Resistance: 120 Ω Gage factor (500°C): Approx. 1.75 for gage length 20 mm Approx. 1.5 for gage length 10 mm Material: NCF 600 	Installation Method and Operating Temperature Spot welding, -196 to 550°C The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHC-20-120-G8-(11, 13, 16) C2MV KHC-10-120-G8-(11, 13, 16) C2MV	20 10	30 16.5 4 4	Min. radius of curvature R25 Min. radius of curvature R20
Uniaxial, 2-element, temperature-compensation type Resistance: 120 Ω Gage factor (500°C): Approx. 1.75 for gage length 20 mm Approx. 1.5 for gage length 10 mm Material: SUS 321 	The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached. KHC-20-120-G9-(11, 13, 16) C2MV KHC-10-120-G9-(11, 13, 16) C2MV	20 10	30 16.5 5 5	Min. radius of curvature R25 Min. radius of curvature R20

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