

## Intrinsically safe signal control cable

### Intrinsically safe signal control cable Application

The products are widely applicable to automation control systems for explosive environments in the chemical and petrochemical industries, monitor and protect the loop line and other intrinsically safe circuits with a weak signal transmission: The product is in addition to a small distribution parameter characteristics, but also used to strengthen the shield, it has excellent resistance to external electromagnetic interference, RFI and other properties.

### Intrinsically safe signal control cable Model and Application range

Model	Name	Application Range
ia-K2YV	PE insulated PVC sheathed two core stranded shield Intrinsically safe control cable	Fixed laying indoors, cable trench or pipe
ia-K2YVR	PE insulated PVC sheathed two core stranded shield Intrinsically safe control flexible cable	Applicable for occasion required of flexible
ia-K2YV(EX)	PE insulated PVC sheathed two core stranded shield Intrinsically safe instrument cable	Fixed laying indoors, cable trench or pipe
ia-K2YV(EX)R	PE insulated PVC sheathed two core stranded shield Intrinsically safe instrument flexible cable	Applicable for occasion required of flexible
ia-K3YV	PE insulated PVC sheathed three core stranded shield Intrinsically safe control cable	Applicable for occasion required of flexible
ia-K3YVY	PE insulated PVC sheathed three core stranded shield Intrinsically safe control cable	Applicable for occasion required of flexible
ia-K3YV(EX)	PE insulated PVC sheathed three core stranded shield Intrinsically safe instrument cable	Fixed laying indoors, cable trench or pipe
ia-k3YVR(EX)R	PE insulated PVC sheathed three core stranded shield Intrinsically safe instrument cable	Applicable for occasion required of flexible

Note:Armored or Flame retardant type of Intrinsically safe Cable is available as per customer requirement.

## Intrinsically safe signal control cable Product range

Model	Pair ( Group Number )	Nominal Area(mm2)
ia-K2YV ia -K2YVR	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 12、 14、 16、 19	0.75 1.0 1.5 2.5
ia-K2YV(EX) ia-K2YV(EX)R	1、 2、 3、 4、 5、 6、 7、 8、 9、 10、 12、 14、 16、 19	0.75 1.0 1.5 2.5
ia-K3YV ia-K3YVR	1、 2、 3、 4、 5、 7、 8、 9、 10	0.75 1.0 1.5
ia-K3YV(EX) ia-K3YV(EX)R	1、 2、 3、 4、 5、 7、 8、 9、 10	0.75 1.0 1.5

Note:(1)This product applies Copper or Aluminum Compound foil wrapped shield,P within Model should be replaced with P1 for Copper/Plastic Compound tape shield P2 for Aluminum/Plastic Compound Tape Shield.

(2)Steel tape armored Intrinsically safe cable is available as per customer requirement.Only add 22 to the model,like IA-K2YV22

(3)For heat resistant model,temperature should be noted within the model.Like IA-K2YV105 can withstand 105 ℃ ; (temperature 70 ℃ can be omitted)

(4)Two core pair produced a range of 1 to 37 pairs, three core range from 1 to 24 pairs only recommendation listed in the table.

Example: Soft copper, polyethylene insulation, second group, PVC jacket, with separated shielding and overall shield 10 pairs of 1.0mm2 expressed as: ia-K2YVPR10 \* 2 \* 1.0mm2

## Intrinsically safe signal control cable show

