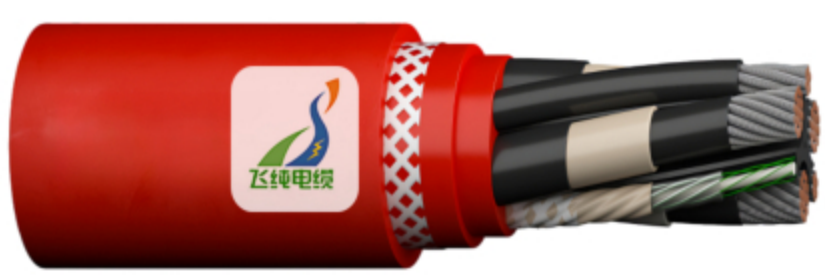
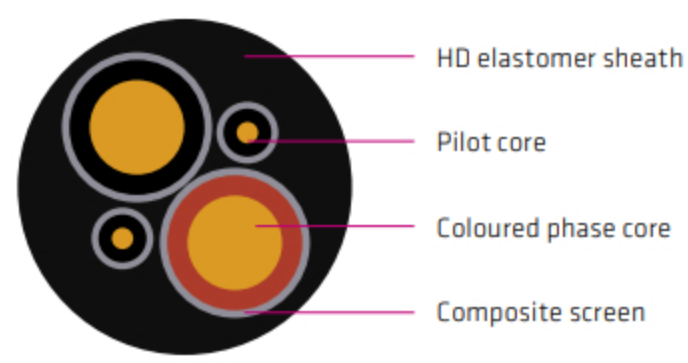
Type 2S, Type 2S.3





Cable description

Elastomer insulated and sheathed, screened cable.

Application

Cables designed for wiring mobile equipment such as continuous miners, shuttle cars, road headers, and personnel transporters. 0.6/1 kV Type 2S cables are sheathed and do not require further mechanical protection when used in external (non-protected) installations. They are used for the interconnection of equipment, for example control boxes, motors, etc., and may be used for longwall lighting systems.

Approvals

AS/NZS 1972

Behaviour in flame and fire

Fire retardant

Temperature range

Maximum operating temperature: +90 °C
Minimum operating temperature: -25 °C

Flexibility

Flexible

Resistance to

Chemical exposure:	Very good/Frequent
Mechanical impact:	Heavy
Water exposure:	Immersion/Temporary coverage
Solar radiation and weather exposure:	Very good/Frequent

Cable design

EPR insulated, screened, CPE sheathed cable.

Core:	Metal: Tinned annealed copper.
Insulation:	EPR (R-EP-90).
Pilot (where required):	Tinned annealed copper, R-EP-90 insulated (screened when individual power cores are screened).
Screen:	Tinned copper wire and polyester yarn composite braid screened. Cables can be individually (as displayed) or collectively screened.
Sheath:	HD-90-CPE Black.

Installation conditions

In free air
Mobile equipment
Machines

飞纯电缆

MINE FEEDER CABLES

Physical & electrical characteristics

Type 2S, Type 2S.3													
	Power conductor							Pilot		Screen	Cable		
	Nominal area mm²	No. of cores	Nominal diameter mm	Insulation thickness mm	ac Resist-ance @ 90°C & 50Hz Ω/km	Reactance @ 50Hz Ω/km	3 phase voltage drop @ 90°C & 50Hz mV/A.m	Approx area mm²	No. of cores	Max 20°C dc resist-ance, combined Ω/km	Sheath thickness mm	Nominal diameter mm	Approx mass kg/100m
2.0/2.0 kV Type 2S Individually screened machine cables													
	10	2	4.6	1.0	2.58	0.0953	4.47	-	-	6.06	1.8	18.9	60
	16	2	6.2	1.0	1.58	0.0879	2.74	-	-	3.72	1.8	22.1	85
	10	3	4.6	1.0	2.58	0.0953	4.47	-	-	6.06	1.8	20.1	75
	16	3	6.2	1.0	1.58	0.0879	2.74	-	-	3.72	1.8	23.5	105
	10	4	4.6	1.0	2.58	0.103	4.47	-	-	6.06	1.8	22.1	95
	16	4	6.2	1.0	1.58	0.0954	2.74	-	-	3.72	1.8	25.9	130
	16	2	6.2	1.0	1.58	0.0786	2.74	1	1	3.72	1.8	22.1	100
	6	2	3.5	1.0	4.32	0.0936	7.48	1	2	8.21	1.8	16.9	50
	10	2	4.6	1.0	2.58	0.0860	4.47	1	2	6.06	1.8	19.0	65
	16	2	6.2	1.0	1.58	0.0786	2.74	1	2	3.72	1.8	22.1	90
	6	3	3.5	1.0	4.32	0.119	7.49	1	3	8.21	1.8	19.8	70
	10	3	4.6	1.0	2.58	0.104	4.47	1	3	6.06	1.8	21.3	85
	16	3	6.2	1.0	1.58	0.0879	2.74	1	3	3.72	1.8	23.5	110
	25	3	7.2	1.2	0.951	0.0870	1.65	1	3	2.24	1.8	26.8	155
	35	3	8.4	1.2	0.698	0.0837	1.22	1	3	1.64	1.8	29.5	190
	50	3	9.7	1.4	0.523	0.0828	0.917	1	3	1.23	1.9	33.4	245
3.3/3.3 kV Type 2S.3 – Individually screened machine cables													
	10	3	4.6	3.0	2.58	0.125	4.47	1.5	3	6.06	1.8	30.5	140
	16	3	6.2	3.0	1.58	0.116	2.74	1.5	3	3.72	1.9	34.7	185
	25	3	7.2	3.0	0.951	0.110	1.66	1.5	3	2.24	2.0	37.3	235
	35	3	8.4	3.0	0.698	0.105	1.22	1.5	3	1.64	2.0	39.8	275
	50	3	9.7	3.0	0.523	0.101	0.923	1.5	3	1.23	2.1	42.8	325
	70	3	12.0	3.0	0.346	0.0950	0.621	1.5	3	0.813	2.3	48.3	435
	95	3	13.3	3.0	0.271	0.0926	0.496	1.5	3	0.636	2.4	51.4	515
	120	3	15.3	3.0	0.210	0.0897	0.396	1.5	3	0.492	2.5	56.4	640
1.1/1.1 kV Type 2S – Collectively screened machine cables													
	1.5	2	1.6	1.0	17.5	0.118	30.3	-	-	13.7	1.8	12.2	20
	1.5	3	1.6	1.0	17.5	0.119	30.3	-	-	13.7	1.8	12.7	25
	1.5	4	1.6	1.0	17.5	0.126	30.3	-	-	13.7	1.8	13.7	25
	1.5	6	1.6	1.0	17.5	0.135	30.3	-	-	13.7	1.8	16.0	35
	1.5	16	1.6	1.0	17.5	0.164	30.3	-	-	13.7	1.8	22.8	75
	1.5	30	1.6	1.0	17.5	0.181	30.3	-	-	13.7	1.8	29.1	120