



**SUN-ROUND TECHNOLOGY
(SHENZHEN) CO.,LTD**



Sun-Round High Speed Bulk Cable Solution



SOLUTIONSE STRONG R&D TEAM

Our R&D team has more than 30 years of experience in materials engineering, power engineering, mechanical engineering, chemical machinery, medical and other professional fields.

<<<ENTERPRISES

SUN-ROUND TECHNOLOGY HIGH SPEED INTERNET SOLUTIONS



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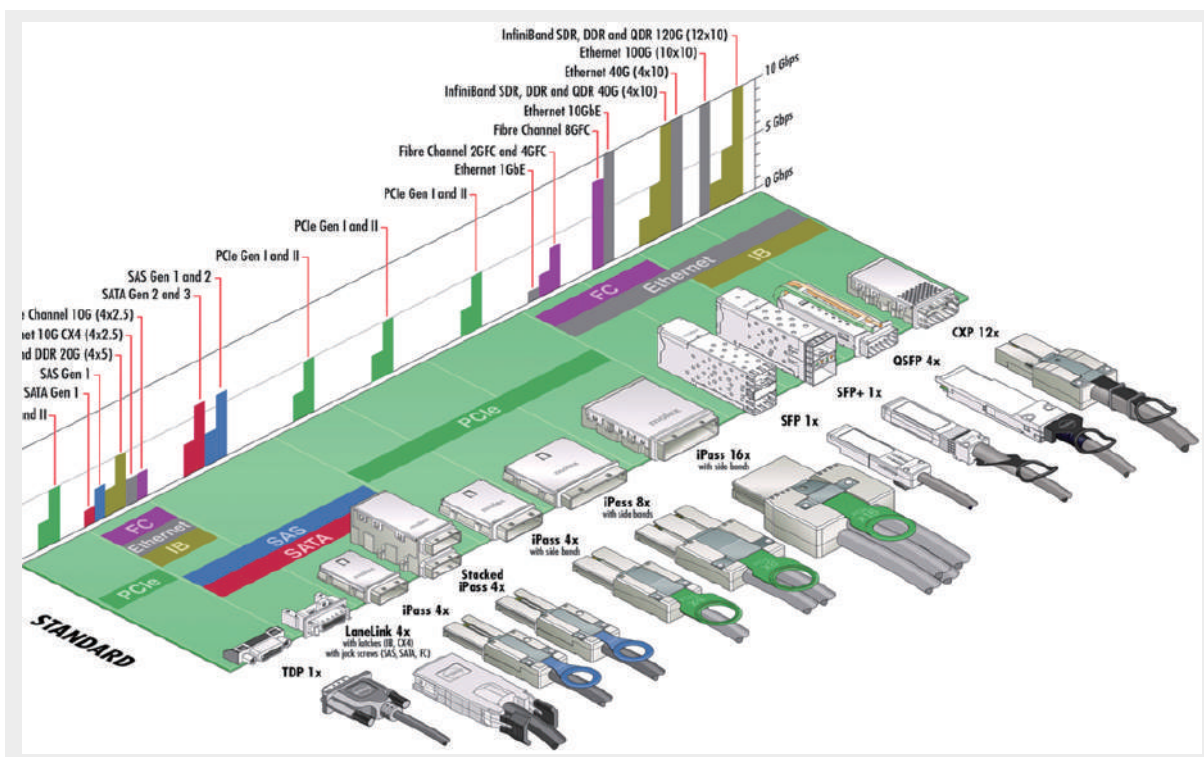
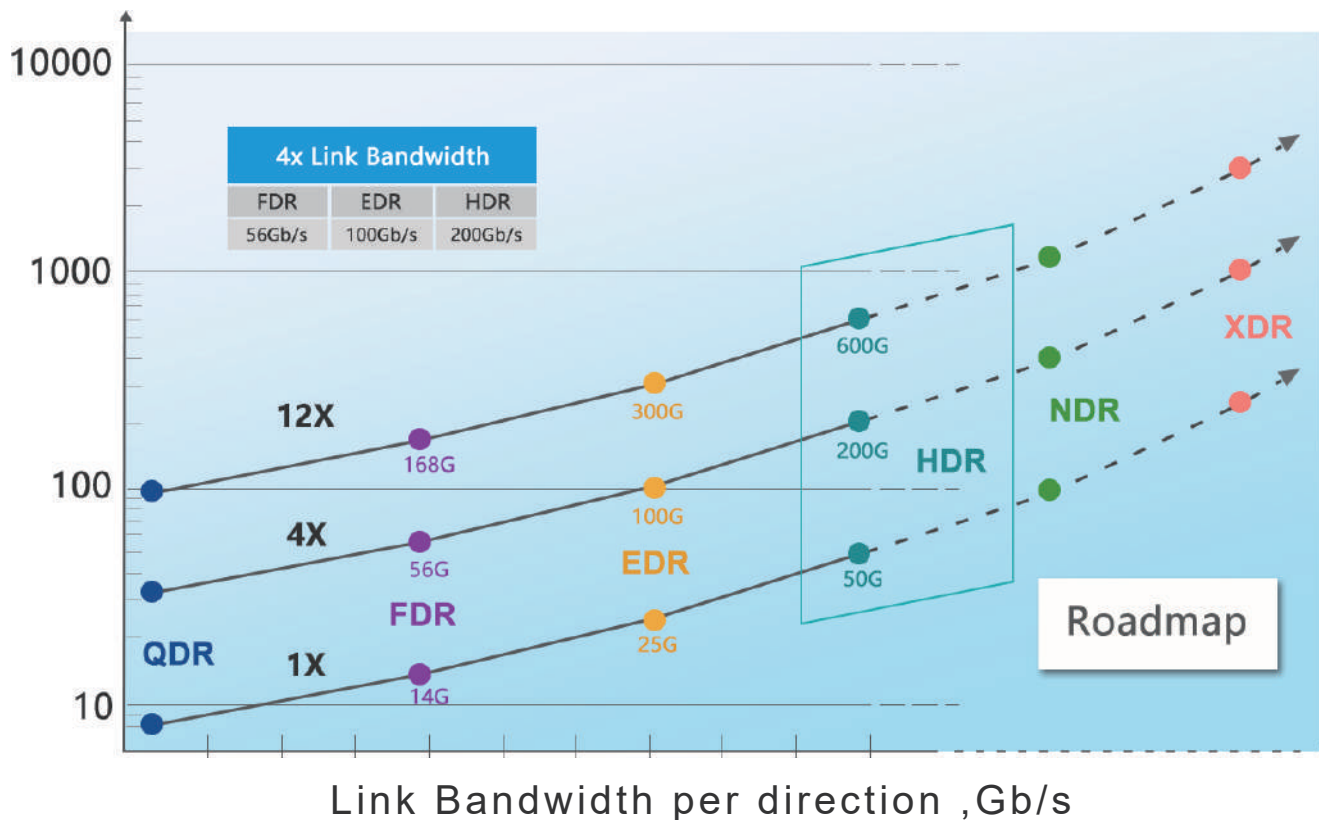
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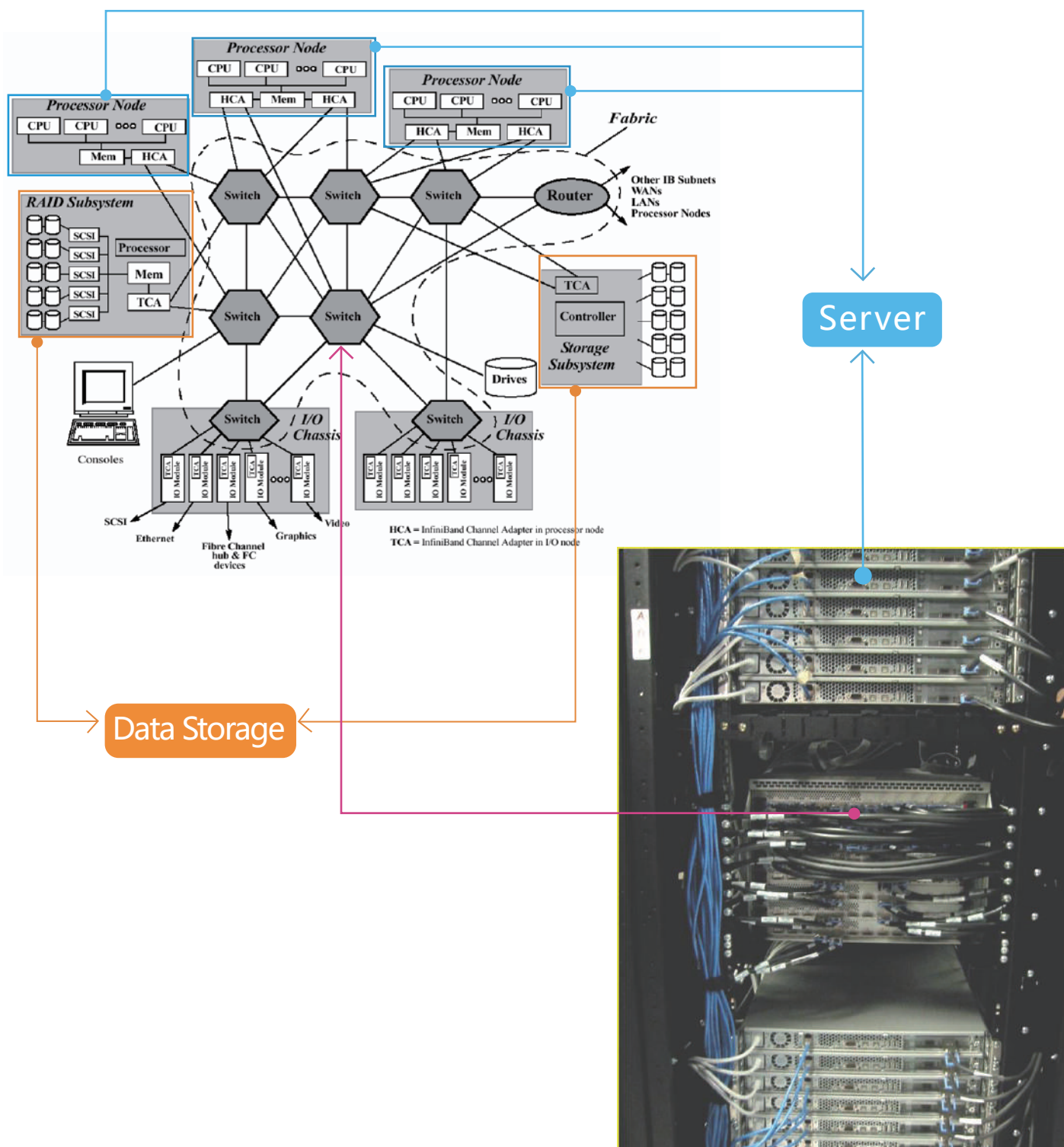
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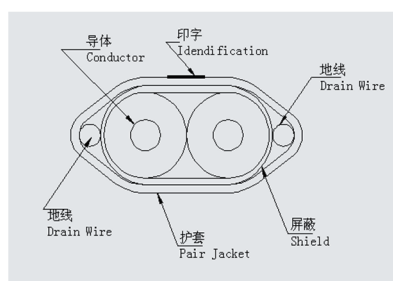
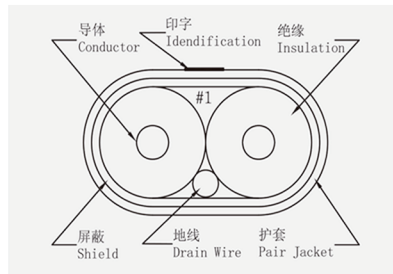
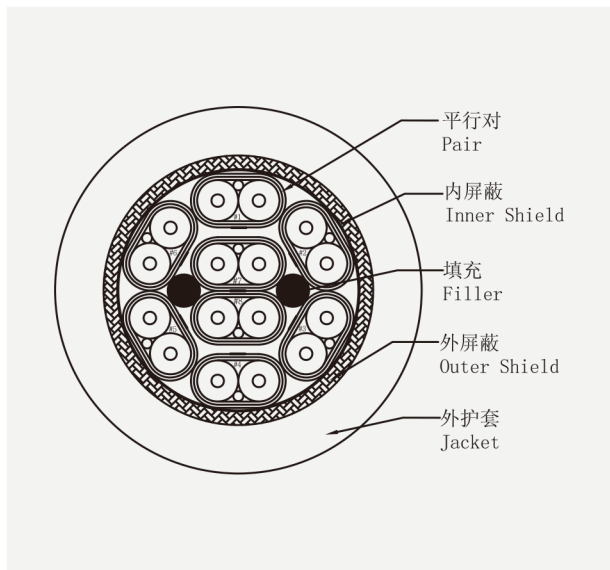
1 Stage



2 Applications



3 Product Family



SPSR^R Type - Solid insulation parallel pair

- Solid PE/FEP insulation, high strength insulation, better manufacturability for cable assembly process
- Cost advantage

Insulation	AWG	Impedance (Ω)	Shield	Propagation rate	Primary OD (mm)	Insertion Loss Specs (dB/m)		
						12.89GHz	19GHz	25GHz
PE	30	100±5	AL/Mylar	66%	0.84	4.90	6.67	8.00
			Cu/Mylar	66%	0.84	4.67	5.93	7.00
		85±5	AL/Mylar	66%	0.68	5.98	7.45	8.73
			Cu/Mylar	66%	0.68	5.64	7.04	8.25
	28	100±5	AL/Mylar	66%	1.12	3.75	5.00	6.25
			Cu/Mylar	66%	1.12	3.63	4.70	5.63
		85±5	AL/Mylar	66%	0.87	4.84	6.07	7.15
			Cu/Mylar	66%	0.87	4.58	5.75	6.78
FEP	30	100±5	AL/Mylar	69%	0.79	4.90	6.67	8.00
			Cu/Mylar	69%	0.79	4.67	5.93	7.00
		85±5	AL/Mylar	69%	0.65	5.99	7.46	8.73
			Cu/Mylar	69%	0.65	5.63	7.03	8.24
	28	100±5	AL/Mylar	69%	1.05	3.75	5.00	6.25
			Cu/Mylar	69%	1.05	3.63	4.70	5.63
		85±5	AL/Mylar	69%	0.82	4.92	6.15	7.24
			Cu/Mylar	69%	0.82	4.63	5.81	6.84

3 Product Family



FPSR^R Type - Foam insulation parallel pair

- Foam PP insulation, low time delay(4.15ns/m), low insertion loss
- Smaller primary OD, smaller bend radius, lighter in weight

Insulation	AWG	Impedance (Ω)	Shield	Propagation rate	Primary OD (mm)	Insertion Loss Specs (dB/m)		
						12.89GHz	19GHz	25GHz
Foam-PP	30	100±5	AL/Mylar	80%	0.73	5.10	6.30	7.50
			Cu/Mylar	80%	0.73	4.83	6.00	7.17
		85±5	AL/Mylar	80%	0.62	5.99	7.46	8.73
			Cu/Mylar	80%	0.62	5.63	7.01	8.22
	28	100±5	Al/Mylar	80%	0.91	4.18	5.25	6.15
			Cu/Mylar	80%	0.91	3.98	5.00	5.90
		85±5	Al/Mylar	80%	0.78	4.93	6.17	7.25
			Cu/Mylar	80%	0.78	4.64	5.81	6.83

CPSR^R Type – Solid PE/FEP+PTFE insulation parallel pair

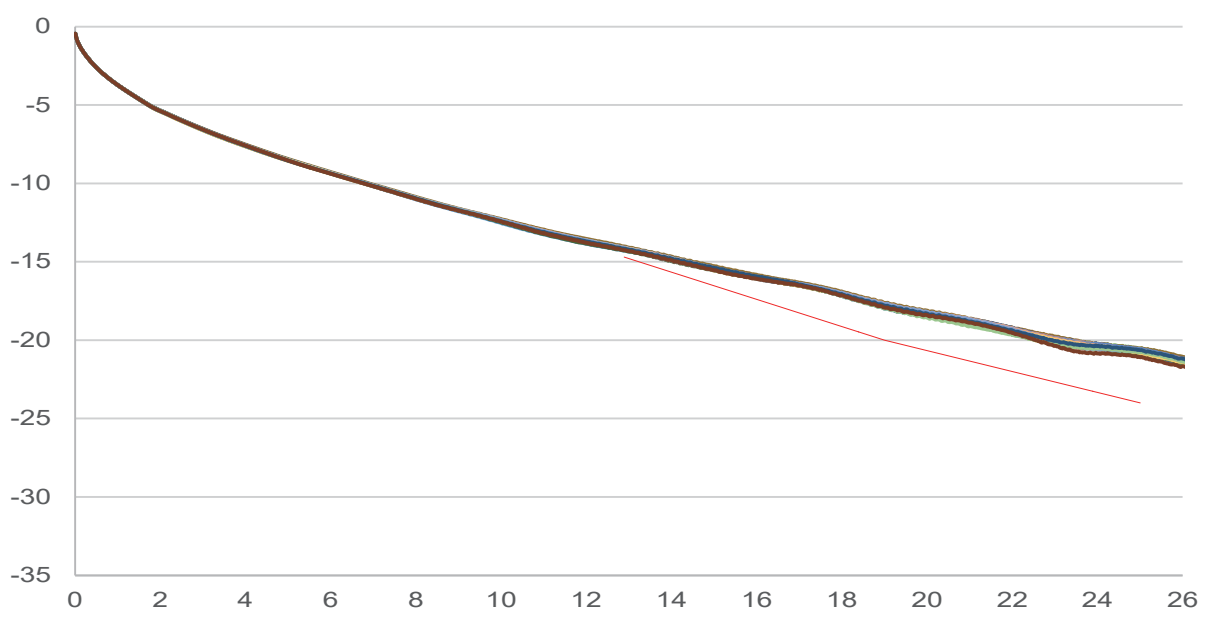
- Combined insulation material, low time delay(4.15ns/m), low insertion loss
- High temperature resistance, acid and alkali corrosion resistance, capable for critical environment requirement
- Smaller primary OD, smaller bend radius, lighter in weight



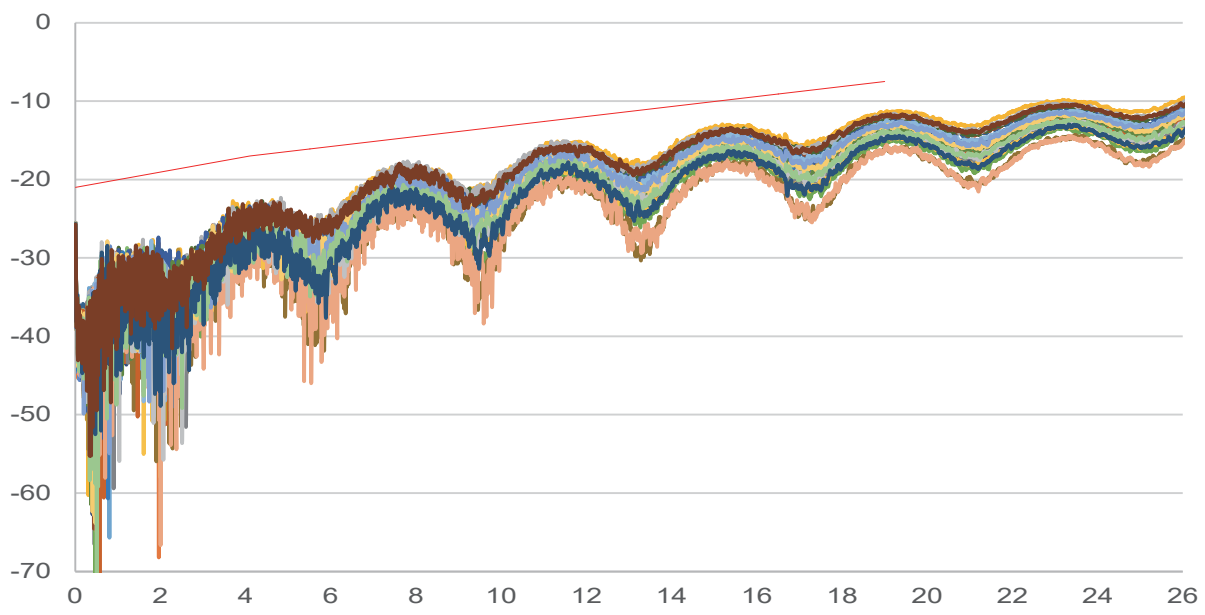
Insulation	AWG	Impedance (Ω)	Shield	Propagation rate	Primary OD (mm)	Insertion Loss Specs (dB/m)		
						12.89GHz	19GHz	25GHz
FEP+PTFE	30	100±5	Cu/Mylar	80%	0.69	4.80	6.00	7.00
		85±5	Cu/Mylar	80%	0.585	5.71	7.11	8.33
	28	100±5	Cu/Mylar	80%	0.86	4.10	5.10	6.00
		85±5	Cu/Mylar	80%	0.74	4.67	5.85	6.87

4 Performance

30AWG SPSR 8p 3pcs



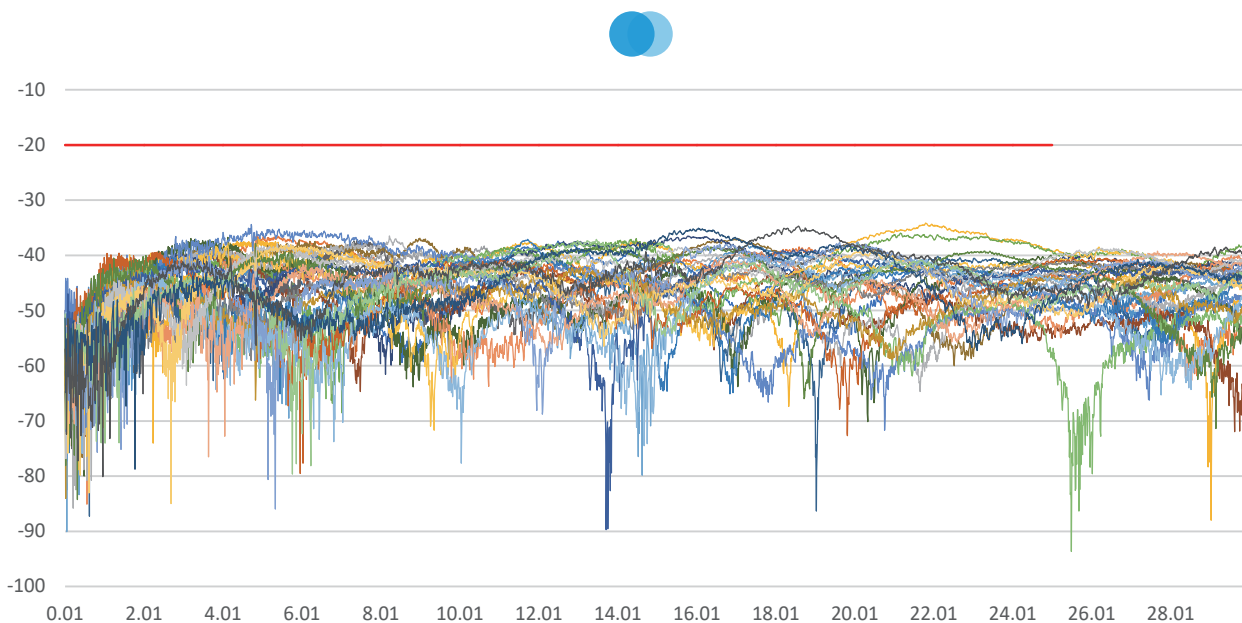
IL Plots (SDD21)



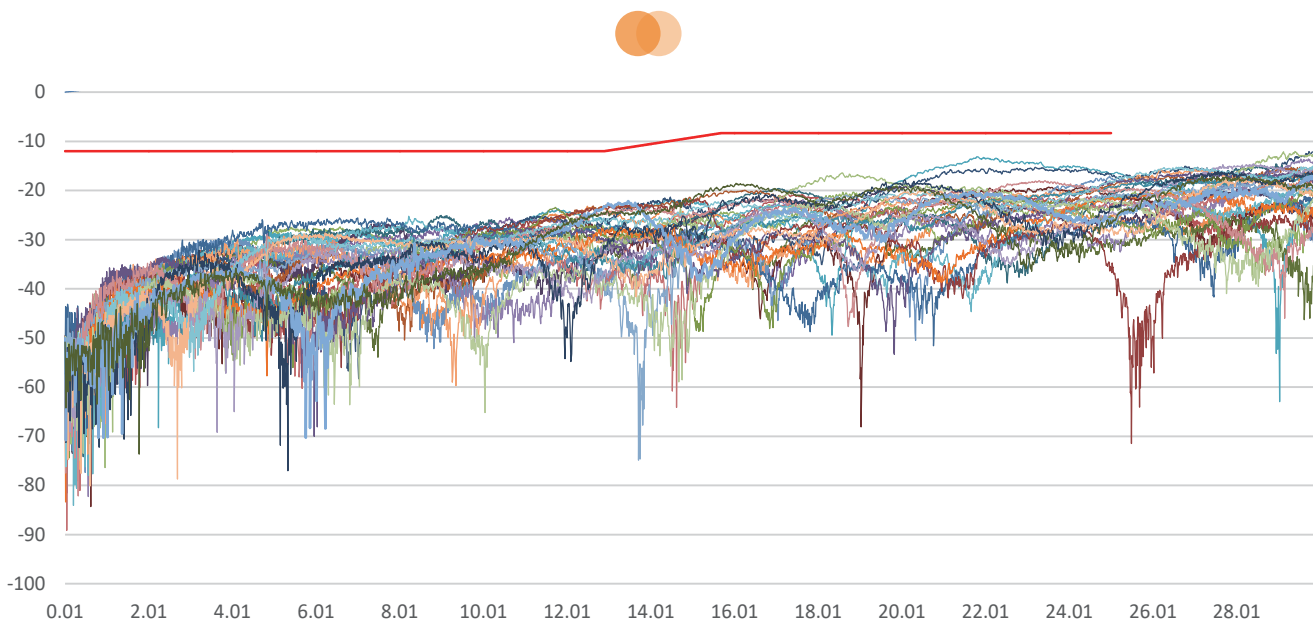
RL Plots (SDD11)

4 Performance

30AWG SPSR 8p 3pcs



SCD21



SCD21-SDD21

5 Process Control

Extrusion Process Report



生产线 : SY-YC-451

产品表 : Y2020-1715

开始时间 : 24.02.2021 11:52

持续时间 : 02:09 h

操作员 : SY01

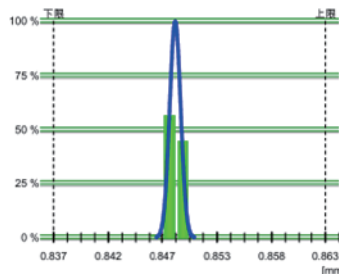
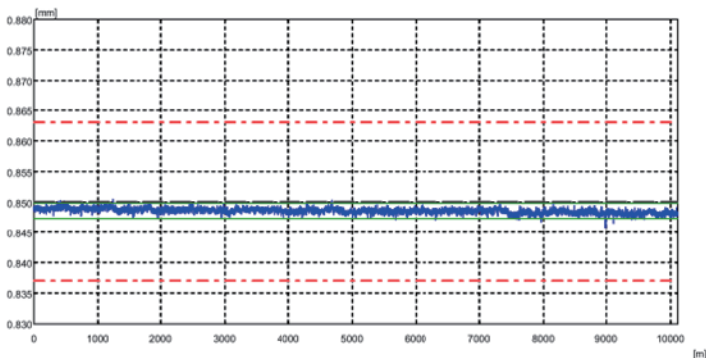
结束时间 : 24.02.2021 14:01

长度 : 10107 m

JOB : 593

- 冷外径 -

Primary OD: 0.85+/-0.013mm OD CPK: 5 min



Target	: 0.850mm
LSL	: 0.837mm
USL	: 0.863mm
Average	: 0.849mm
Standard deviation	: 0.0004mm
Min.	: 0.846mm
Max.	: 0.851mm
<LSL	: 0.0%
>USL	: 0.0%
CP	: 10.3
CPK	: 9.2

Extrusion Process Report



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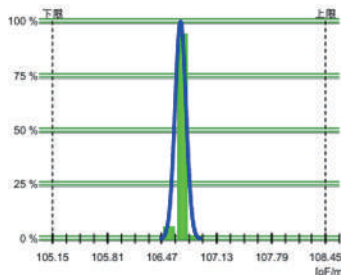
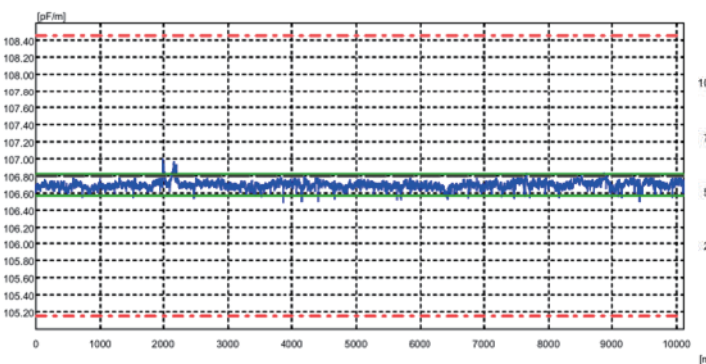
结束时间 : 24.02.2021 14:01

长度 : 10107 m

JOB : 593

- 冷电容 -

CTW: 106.8+/-1.65pF/m CTW CPK: 5 min



Target	: 106.80pF/m
LSL	: 105.15pF/m
USL	: 108.45pF/m
Average	: 106.70pF/m
Standard deviation	: 0.042pF/m
Min.	: 106.49pF/m
Max.	: 107.00pF/m
<LSL	: 0.0%
>USL	: 0.0%
CP	: 13.0
CPK	: 12.2

Extrusion Process Report



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开始时间 : 24.02.2021 11:52

持续时间 : 02:09 h

操作员 : SY01

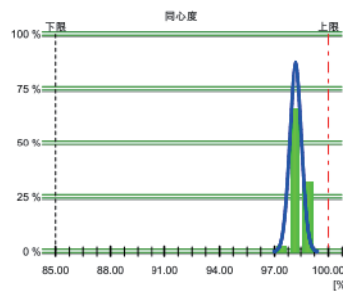
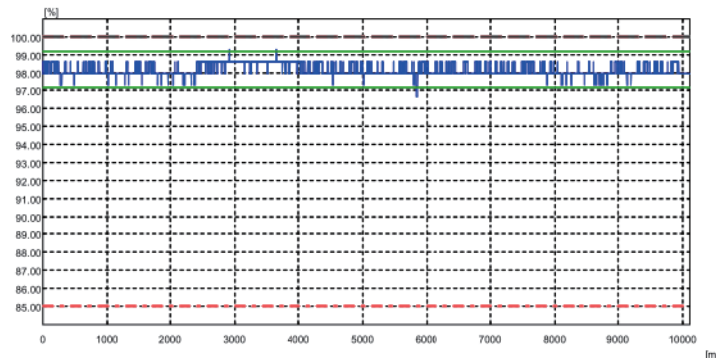
结束时间 : 24.02.2021 14:01

长度 : 10107 m

JOB : 593

- 同心度 -

Concentricity: 85% min. Concentricity CPK: 5 min



Target	: 100%
LSL	: 85%
USL	: 100%
Average	: 98.17%
Standard deviation	: 0.343%
Min.	: 96.64%
Max.	: 99.32%
<LSL	: 0.0%
>USL	: 0.0%
CP	: 7.3
CPK	: 12.8



PRODUCT BROCHURES

2021

CUSTOM CABLE, DESIGN AND MANUFACTURING

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