

NexBand™ Hardline Connectors





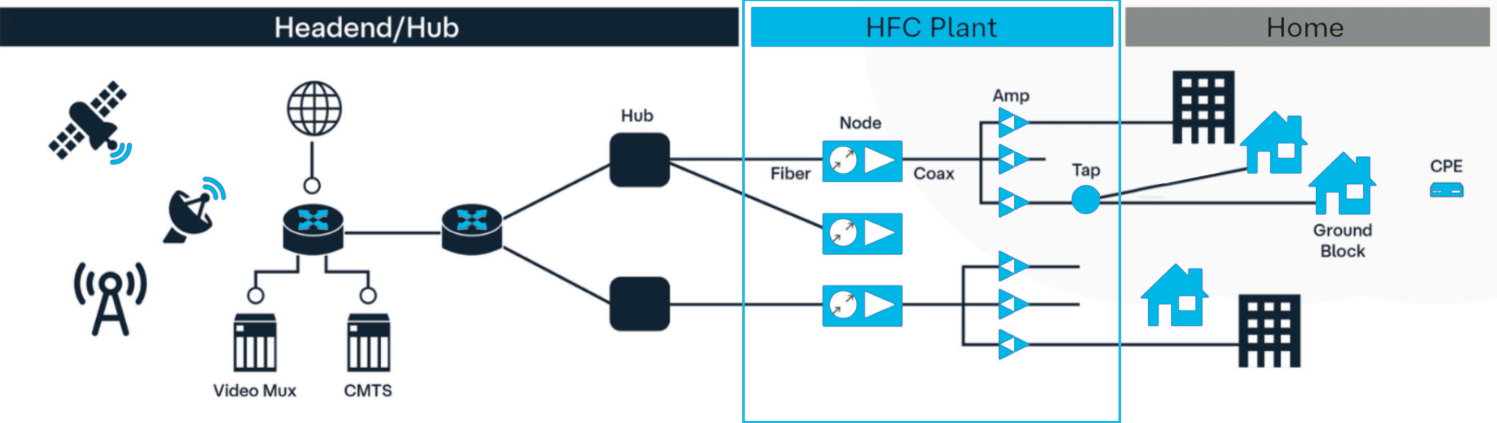
BELDEN BROADBAND OVERVIEW

Belden and its broadband connected brands, PPC, Precision OT and Sichert, are worldwide leaders in the design and manufacture of connective technology used in broadband and telecommunications networks. Belden's award-winning copper and fiber optic solutions are utilized globally by operators to provide unparalleled performance to customers around the world, including in support of 5G services. In recent years, Belden has grown its fiber portfolio through research and development, as well as through acquisitions, and Belden continues to build on decades of innovation and to strengthen our partnership with network operators and service providers the world over.

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Why PPC Hardline?

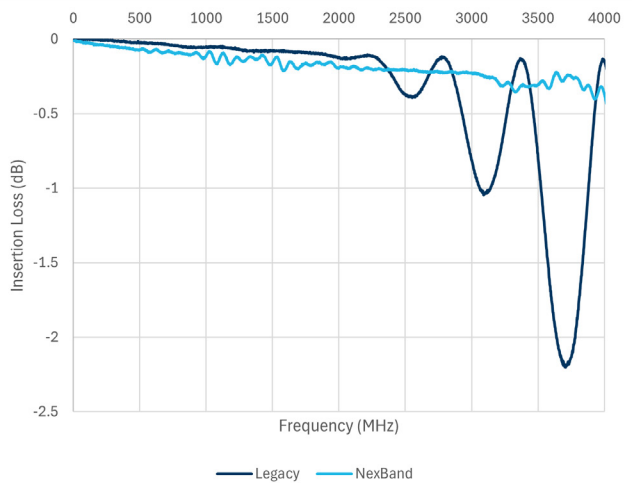


We offer a complete portfolio of hardline connectors and accessories. Our products are able to handle adverse weather conditions and also maximize the ease of install in the field. We help to maintain existing Hybrid Fiber Coax (HFC) infrastructure and can provide solutions for any coaxial cable found in the field. In HFC architecture, the products used can dramatically impact the network and PPC hardline connectors and adapters address these needs. Our connectors are reliable, innovative, easy to install, and come with our support.

Why NexBand™?

As the industry continues to push the upper limit of spectrum frequency, you need a connector that matches those goals. NexBand hardline has been redesigned internally to be perfectly matched to 75-ohm cable while maintaining all of the features of traditional PPC 3-piece hardline connectors. Precision becomes critical to extending performance into higher frequencies and NexBand has integrated features that assist with this. These connectors are one of the keys to extending and maximizing the use of existing RF infrastructure. They are rated to perform with minimal loss out to 4 GHz and can be seamlessly integrated into the plant whether it be routine maintenance, tap changes, or complete overhauls.

NexBand™ Performance vs Legacy Connectors



Hardline Connector Information

Part Naming Scheme:

Type	Size	Adapter	Type
NXB (Pin)	500	EXT	P3
NXBS (Splice)	540	BAFF	QR
	565	AFM	P3/TX
	625	TR	
	700		
	715		
	750		
	840		
	860		
	875		

Example: NXB500P3 (Pin Connector, 500 Cable Diameter, No Adapter, P3 Cable)

Series	Nominal Center Conductor Diameter	Nominal Sheath I.D.	Nominal Sheath O.D.	Diameter Over Jacket
500P3	0.109	0.452	0.500	0.570
540QR	0.124	0.513	0.540	0.610
565P3/TX	0.129	0.519	0.565	0.635
625P3	0.136	0.563	0.625	0.695
700P3/TX	0.163	0.653	0.703	0.775
715QR	0.166	0.686	0.715	0.785
750P3	0.166	0.678	0.750	0.830
840P3/TX	0.194	0.780	0.840	0.920
860QR	0.203	0.828	0.860	0.960
875P3	0.194	0.797	0.875	0.955

NexBand™ Pin Connectors

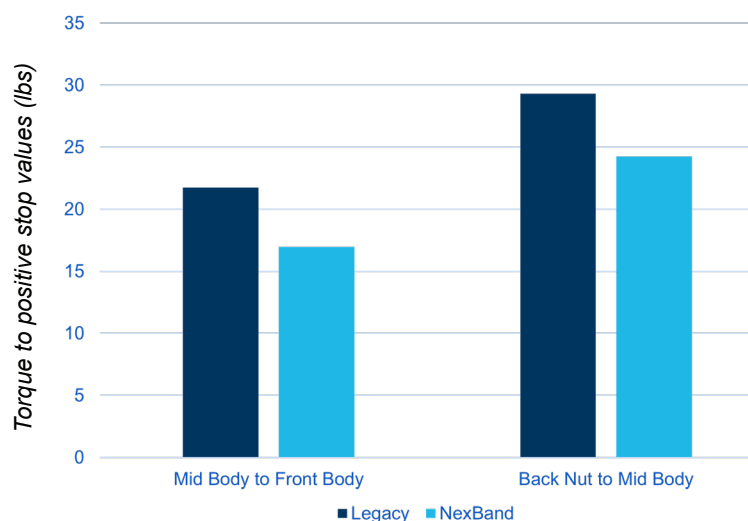
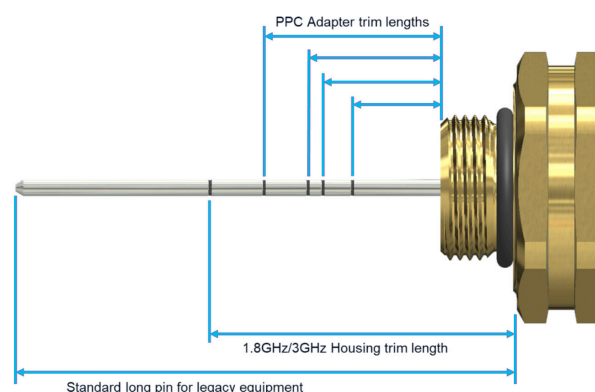


Features & Benefits

- Designed for DOCSIS 4.0+ applications
- Fully rated to 4GHz with improved RF performance to 1.2GHz and 1.8GHz
- Trim lengths marked on pin to support extended frequency installations
- Includes all current features of PPC 3-Piece connectors

NexBand Connector	Hex Size (inches)	CC Trim Length (A) (inches)	Replaces Part:
NXB500P3	15/16	1	TPP500P3
NXB540QR	1 1/16	1	TPP540QR
NXB565P3/TX	1 1/16	1	TPP565P3/TX
NXB625P3	1 1/16	1	TPP625P3
NXB700P3/TX	1 3/16	1	TPP700P3/TX
NXB715QR	1 3/16	1	TPP715QR
NXB750P3	1 3/16	1	TPP750P3
NXB840P3/TX	1 5/16	1	TPP840P3/TX
NXB860QR	1 7/16	1 1/16	TPP860QR
NXB875P3	1 5/16	1	TPP875P3

NexBand™ Advantages



NexBand™ Splice Connectors



Features & Benefits

- Designed for DOCSIS 4.0+ applications
- Fully rated to 4GHz with improved RF performance to 1.2GHz and 1.8GHz
- Includes all current features of PPC 3-Piece connectors

NexBand Connector	Hex Size (inches)	CC Trim Length (A) (inches)	Replaces Part:
NXBS500P3	15/16	1	TPS500P3
NXBS540QR	1 1/16	1	TPS540QR
NXBS565P3/TX	1 1/16	1	TPS565P3/TX
NXBS625P3	1 1/16	1	TPS625P3
NXBS700P3/TX	1 3/16	1	TPS700P3/TX
NXBS715QR	1 3/16	1	TPS715QR
NXBS750P3	1 3/16	1	TPS750P3
NXBS840P3/TX	1 5/16	1	TPS840P3/TX
NXBS860QR	1 7/16	1 1/16	TPS860QR
NXBS875P3	1 5/16	1	TPS875P3

NexBand™ Adapters

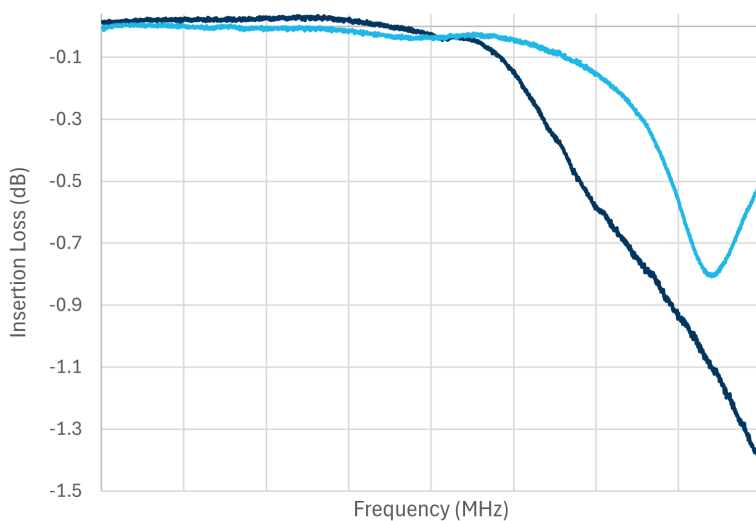


Features & Benefits

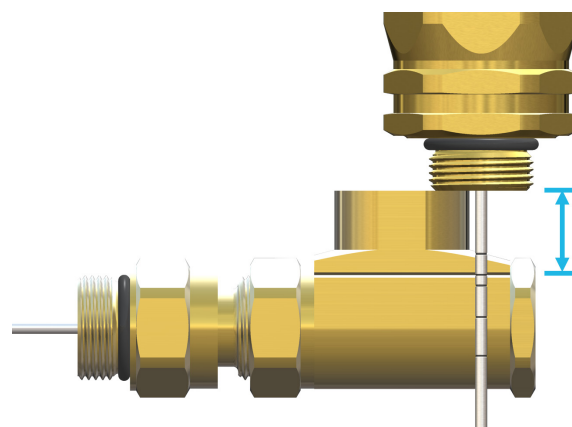
- Industry leading RF performance to 4GHz
- Trim lengths marked on body of adapters
- New auto-seize contact design

NexBand Adapter	Trim Length (inches)	Replaces Part:
NXB90	.5	CP90, CP90SW, NX90, NX90SW, NX90SWT, NX90T
NXB180	.5	CPPA180PD, CPPA180PD SW, NX180, NX180SW, NX180SWT, NX180T
NXBSPB	.5	CSPB, TSPB, ISPB, ISPBT

NexBand™ Advantages



NexBand™ performance relative to legacy connectors

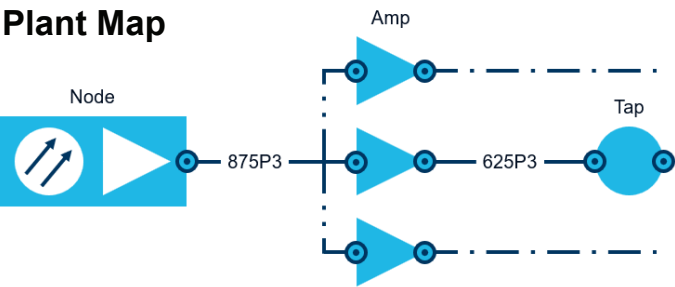


NexBand™ Adapter Trim Markings

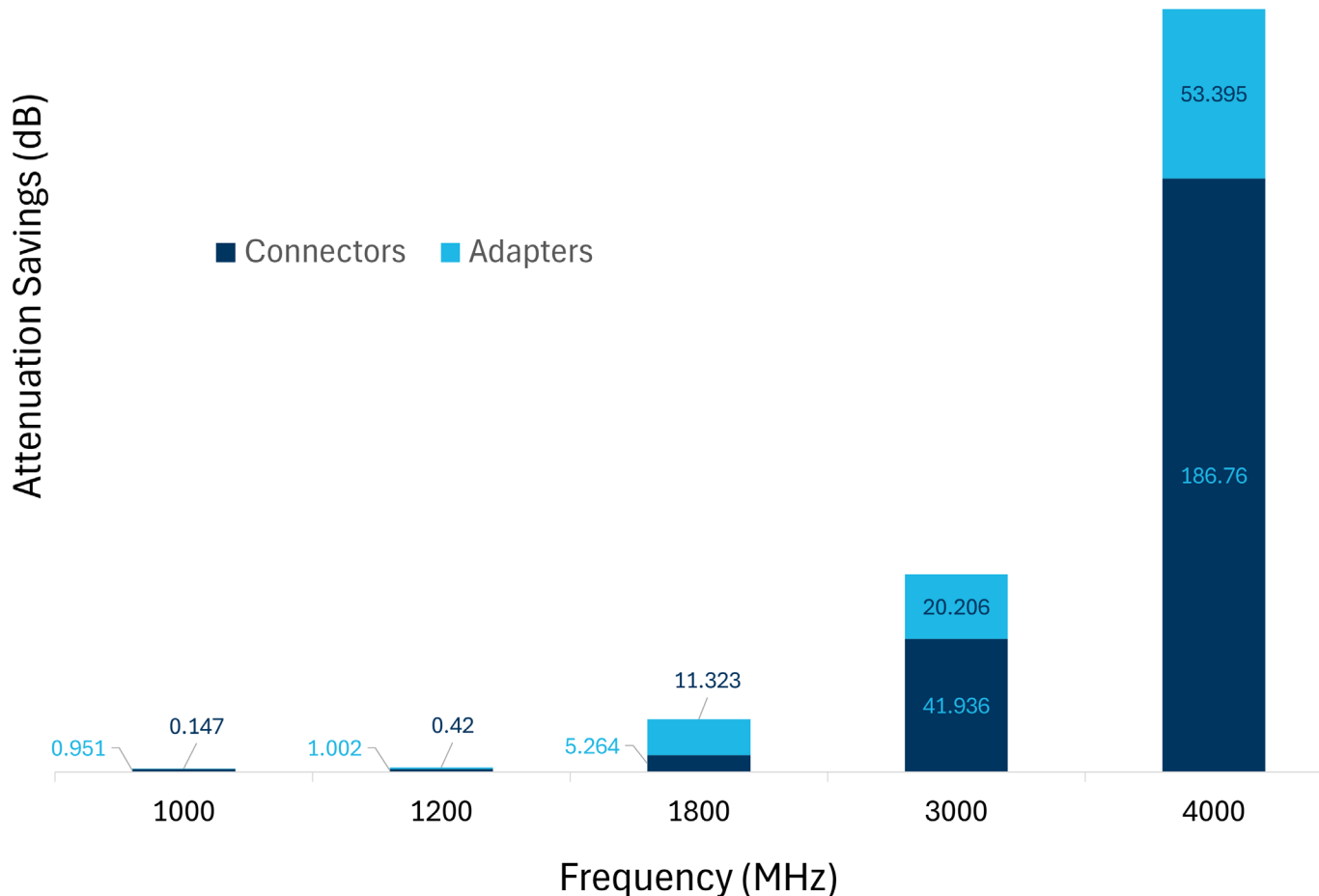
What does it all mean for the network?

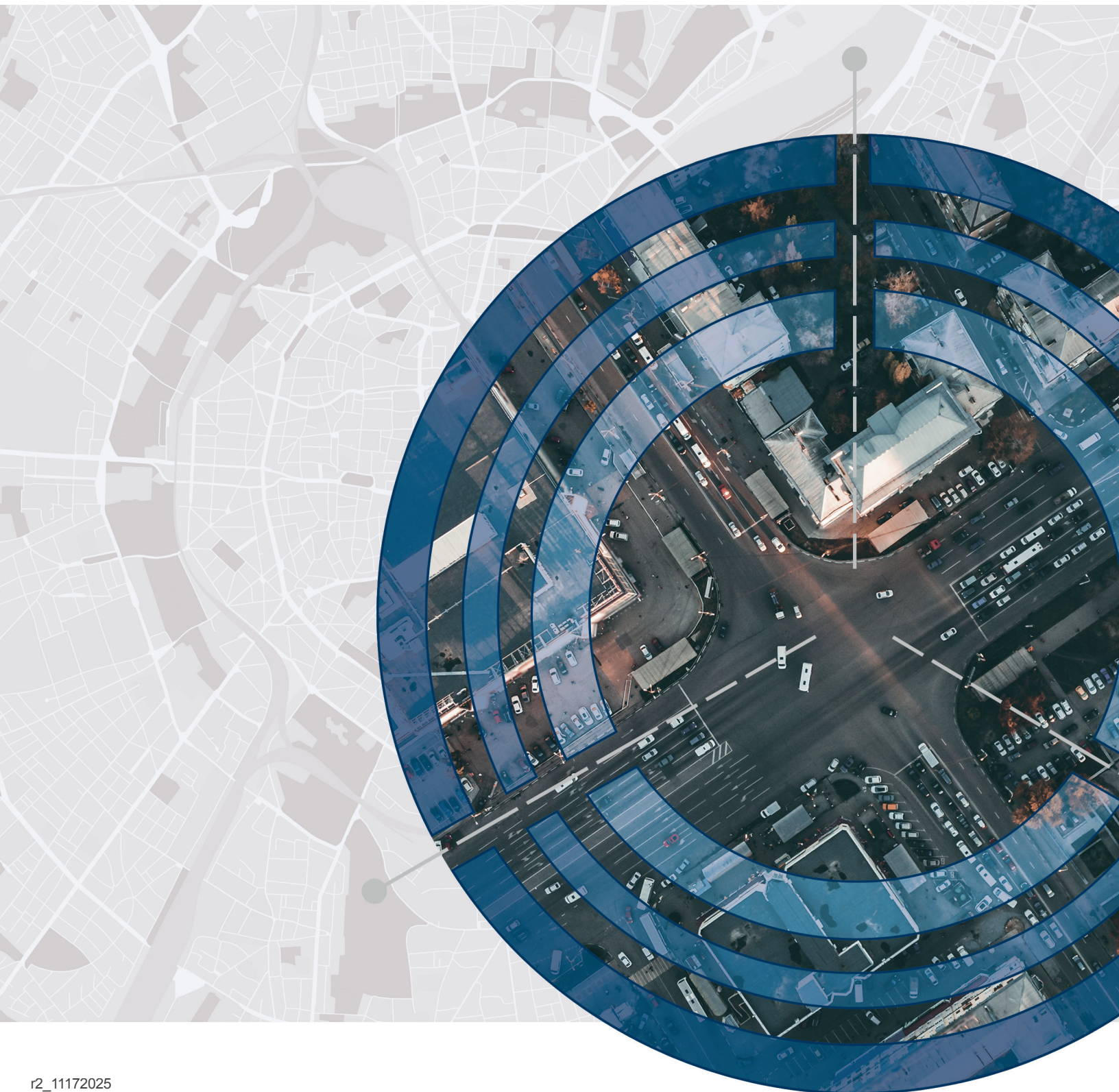
Let's dive into the loss savings across a plant with node plus three (N+3) architecture. In an example plant you may find the following equipment breakdown:

Device	Quantity
Node	1
Amplifier	3
Tap	35
Splitter	5
Equalizer	2
Cable Length (ft)	5471
Pin Connectors	100
Splice Connectors	17
90 Degree Adapters	13
180 Degree Adapters	4
Splice Blocks	2



Here are the cumulative attenuation savings you will find when converting the connector and adapter usage to the NexBand™ portfolio:





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