

New product range
BETrans® GKW-ENX
sets standards



The Quality Connection

LEONI

BETAtans® GKW-ENX

LEONI's Business Unit Transportation offers you reliable, application-specific cables and cable system solutions conforming to national and international standards. With our extensive product and service portfolio for the internal and external cabling of rolling stock, we accompany you over the entire life cycle of your vehicles – worldwide. In the process, you can rely on our well-established industry and product knowledge and our long-term experience.

Our proven product portfolio of halogen-free, electron-beam cross-linked control, supply and data cables features a range of key features, including:

- Compact design for reduced weight
- High reliability even over a long service life
- Short-circuit protection
- High heat pressure and thermal stability
- Low fire load combined with a high oxygen index
- Very good reaction to fire
- Excellent corona resistance

Fully aware of both these advantages and increased market requirements, we have further developed our products and are now able to present you with our new product range, **BETAtans® GKW-ENX**. A clearly structured product portfolio that meets your requirements and is standards-compliant.

BETAtans® GKW-ENX combines our tried-and-tested BETAtans® GKW and BETAtherm®/BETAflam® ENgine ranges.

This consolidation creates the following customer benefits:

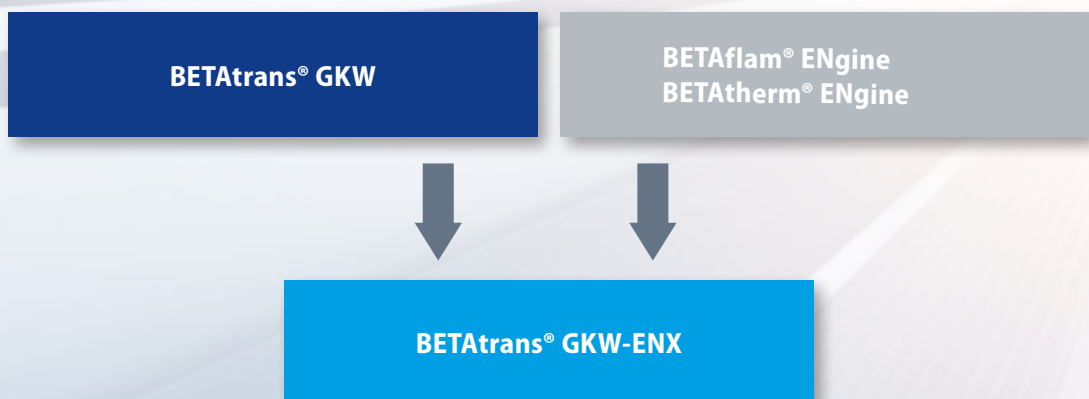
- Reductions to your master data and stock levels
- Shorter lead times
- Less engineering effort

We have also managed to supplement the familiar product properties with additional product optimizations at no additional cost for our customers:

- Increased UV resistance
- Optimized mechanical properties

With our firm focus on continuous product development, rest assured that you'll be able to meet the challenges of the future.

We will be happy to provide you with further information about the range and availability at any time.





Comparison of BETAtrans® GKW-ENX with the existing cable families

BETAtrans® GKW	BETAtherm®/BETAflam® ENgine	BETAtrans® GKW-ENX	NEW
BETAtrans® 3 GKW	BETAtherm® ENgine EN 50264-3-1 600 V M	BETAtrans® 3 GKW-ENX EN 50264-3-1 600 V M	
BETAtrans® 3 GKW FE180	-----	BETAtrans® 3 GKW-ENX FE180 600 V M	
BETAtrans® GKW RI FE180	-----	BETAtrans® GKW-ENX RI FE180 300 V M	
BETAtrans® 3 GKW flex	BETAflam® ENgine EN 50264-3-2 600 V MM	BETAtrans® 3 GKW-ENX flex EN 50264-3-2 600 V MM	
BETAtrans® 3 GKW FE180 flex	-----	BETAtrans® 3 GKW-ENX FE180 flex 600 V MM	
BETAtrans® GKW RI FE180 flex	-----	BETAtrans® GKW-ENX RI FE180 flex 300 V MM	
BETAtrans® 3 GKW C-flex	BETAflam® ENgine EN 50264-3-2 600 V MM S	BETAtrans® 3 GKW-ENX C-flex EN 50264-3-2 600 V MM S	
BETAtrans® 3 GKW FE180 C-flex	-----	BETAtrans® 3 GKW-ENX FE180 C-flex 600 V MM S	
BETAtrans® GKW RI FE180 C-flex	-----	BETAtrans® GKW-ENX RI FE180 C-flex 300 V MM S	
-----	BETAtherm® ENgine EN 50264-3-1 1800 V MM	BETAtrans® 4 GKW-ENX EN 50264-3-1 1800 V MM	
BETAtrans® 4 GKW-AXplus	BETAtherm® ENgine EN 50264-3-1 1800 V M	BETAtrans® 4 GKW-ENX EN 50264-3-1 1800 V M	
BETAtrans® 4 GKW-AXplus	-----	BETAtrans® 4 GKW-ENX R 1800 V M ($\leq 16 \text{ mm}^2$)	
BETAtrans® 4 GKW-AXplus FE180	-----	BETAtrans® 4 GKW-ENX R FE180 1800 V M	
BETAtrans® 4 GKW-AXplus FER180	-----	BETAtrans® 4 GKW-ENX R FER180 1800 V M	
BETAtrans® 4 GKW-AXplus flex	-----	BETAtrans® 4 GKW-ENX flex R 1800 V MM	
BETAtrans® 4 GKW-AXplus C-flex	-----	BETAtrans® 4 GKW-ENX C-flex R 1800 V MM S	
BETAtrans® 4 GKW-AXplus FE180 C-flex	-----	BETAtrans® 4 GKW-ENX FE180 C-flex R 1800 V MM S	
-----	BETAtherm® ENgine EN 50264-3-1 3600 V MM	BETAtrans® 9 GKW-ENX EN 50264-3-1 3600 V MM	
BETAtrans® 9 GKW-AXplus	-----	BETAtrans® 9 GKW-ENX R 3600 V M	
BETAtrans® 9 GKW-AXplus flex	-----	BETAtrans® 9 GKW-ENX flex R 3600 V MM	
BETAtrans® 9 GKW-AXplus C-flex	-----	BETAtrans® 9 GKW-ENX C-flex R 3600 V MM S	
BETAtrans® GKW R	-----	BETAtrans® GKW-ENX R 600 V M	
BETAtrans® GKW flex R	-----	BETAtrans® GKW-ENX flex R 600 V MM 105	
BETAtrans® GKW C-flex R	-----	BETAtrans® GKW-ENX C-flex R 600 V MM 105 S	
-----	BETAtherm® ENgine EN 50306-2 300 V M	BETAtrans® GKW-ENX EN 50306-2 300 V M	
-----	BETAflam® ENgine C-flex EN50306-3 300 V MM S	BETAtrans® GKW-ENX C-flex EN 50306-3 300 V MM S	
-----	BETAflam® ENgine flex EN 50306-4 1P 300 V MM	BETAtrans® GKW-ENX flex EN 50306-4 1P 300 V MM	
-----	BETAflam® ENgine flex EN 50306-4 1E 300 V MM	BETAtrans® GKW-ENX flex EN 50306-4 1E 300 V MM	
-----	BETAflam® ENgine flex EN 50306-4 3P 300 V MM S	BETAtrans® GKW-ENX C-flex EN 50306-4 3P 300 V MM S	
-----	BETAflam® ENgine flex EN 50306-4 3E 300 V MM S	BETAtrans® GKW-ENX C-flex EN 50306-4 3E 300 V MM S	
-----	BETAflam® ENgine flex EN 50306-4 5P 300 V MM S	BETAtrans® GKW-ENX C-flex EN 50306-4 5P 300 V MM S	
-----	BETAflam® ENgine flex EN 50306-4 5E 300 V MM S	BETAtrans® GKW-ENX C-flex EN 50306-4 5E 300 V MM S	
BETAtrans® DATA C-flex 100 Ohm CAT5/5e	-----	BETAtrans® DATA-ENX C-flex 100 Ohm CAT5/5e	
BETAtrans® DATA C-flex 120 Ohm MVB	-----	BETAtrans® DATA-ENX C-flex 120 Ohm MVB	
BETAtrans® DATA C-flex 100 Ohm CAT5/5e FOAM	-----	BETAtrans® DATA-ENX C-flex 100 Ohm CAT5/5e FOAM	
BETAtrans® DATA C-flex 100 Ohm GigaCAT 7 FOAM	-----	BETAtrans® DATA-ENX C-flex 100 Ohm GigaCAT 7 FOAM	

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